Test Name	**ACM A2, MW, rep 2**
Cladding	**Aluminium Composite Material (ACM) A2**
Cladding Thickness [mm]	**4**
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 an Aluminium Composite Material (ACM) A2 cladding panel and a Mineral Wool (MW) insulation panel, separated with a cavity of 50 mm width. It is the second repetition of this system configuration.
Experiment Notes	There were no noticable observations for this test.
Peak HRR [kW]	**0**
Time to Peak HRR [mins]	
Residual HRR [kW]	**1.11**
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	0.188	0.188	4.9366	2.8027	-0.0012	7.7381	0.0774	0.0422	0.0113	0.1309
1	0.474	0.41	4.9359	2.8028	-0.0012	7.7375	0.062	0.0423	0.0098	0.1141
2	0.569	0.518	4.9353	2.8026	-0.0013	7.7366	0.0579	0.0391	0.0117	0.1087
3	0.565	0.818	4.9352	2.8027	-0.0012	7.7368	0.0633	0.0396	0.0128	0.1157
4	0.796	1.28	4.9356	2.8027	-0.0011	7.7372	0.0681	0.0398	0.0134	0.1213
5	1.3	1.86	4.9357	2.8029	-0.0011	7.7375	0.0816	0.0418	0.0142	0.1375
6	1.83	2.46	4.9355	2.8029	-0.0011	7.7373	0.0958	0.0396	0.0139	0.1493
7	2.59	2.99	4.9357	2.803	-0.0011	7.7376	0.1145	0.0343	0.0145	0.1633
8	3.18	3.56	4.9358	2.8031	-0.0011	7.7378	0.1341	0.0382	0.0142	0.1865
9	4.24	4.04	4.9357	2.8031	-0.0012	7.7376	0.1509	0.0403	0.0111	0.2022
10	4.74	4.45	4.9356	2.8032	-0.0012	7.7376	0.1679	0.0371	0.0096	0.2147
11	5.41	4.87	4.935	2.8035	-0.0013	7.7373	0.183	0.0321	0.0095	0.2246
12	6.06	5.3	4.9349	2.8036	-0.0012	7.7373	0.1925	0.0373	0.0107	0.2404
13	6.15	5.72	4.935	2.8037	-0.0013	7.7375	0.2015	0.0381	0.0093	0.2489
14	6.76	6.15	4.9348	2.8036	-0.0011	7.7373	0.1961	0.0407	0.006	0.2427
15	7.62	6.55	4.9344	2.8036	-0.001	7.7371	0.1928	0.0413	0.0078	0.2419
16	8.07	6.91	4.9345	2.8039	-0.001	7.7375	0.1989	0.0398	0.011	0.2497
17	7.89	7.26	4.935	2.8037	-0.001	7.7377	0.2014	0.0382	0.0131	0.2527
18	8.33	7.56	4.9354	2.8033	-0.001	7.7377	0.2049	0.0318	0.0129	0.2497
19	8.06	7.83	4.9355	2.8035	-0.0011	7.7379	0.2083	0.029	0.0135	0.2508
20	8.31	8.05	4.9352	2.8036	-0.0012	7.7376	0.2145	0.0305	0.013	0.258
21	8.76	8.26	4.9357	2.8036	-0.0012	7.7382	0.2148	0.0353	0.0113	0.2615
22	8.51	8.4	4.9366	2.8038	-0.0012	7.7392	0.2216	0.0361	0.0096	0.2673
23	9.06	8.57	4.9371	2.8039	-0.0012	7.7398	0.2253	0.0343	0.0093	0.2689
24	8.94	8.7	4.9375	2.8038	-0.0014	7.7399	0.2252	0.0345	0.0108	0.2705
25	8.63	8.77	4.9373	2.8037	-0.0013	7.7397	0.2228	0.0405	0.0128	0.2761
26	9.14	8.81	4.9371	2.8035	-0.0014	7.7393	0.219	0.0368	0.0116	0.2674
27	8.92	8.86	4.9372	2.8035	-0.0015	7.7392	0.2183	0.0337	0.0114	0.2634
28	9.4	8.87	4.9368	2.8034	-0.0017	7.7385	0.2221	0.0302	0.0119	0.2642

29	9	8.9	4.9352	2.8033	-0.0019	7.7366	0.2252	0.0304	0.0132	0.2688
30	9.38	8.93	4.9336	2.8032	-0.0019	7.7349	0.2274	0.0318	0.0153	0.2745
31	8.77	8.92	4.9327	2.8028	-0.002	7.7336	0.2349	0.0342	0.0147	0.2838
32	9.33	8.94	4.9323	2.8025	-0.0021	7.7326	0.2381	0.0341	0.0132	0.2855
33	9.2	8.92	4.9317	2.802	-0.0022	7.7314	0.2365	0.0374	0.0093	0.2833
34	8.89	8.87	4.9317	2.8014	-0.0022	7.7309	0.2229	0.0398	0.0066	0.2693
35	8.87	8.88	4.932	2.8012	-0.002	7.7312	0.2024	0.0426	0.0039	0.249
36	8.78	8.84	4.9316	2.8013	-0.002	7.7309	0.1932	0.0398	0.0025	0.2354
37	8.53	8.83	4.9311	2.8013	-0.002	7.7304	0.1927	0.0333	0.0037	0.2298
38	8.73	8.79	4.931	2.8009	-0.0021	7.7298	0.2005	0.0349	0.0056	0.2409
39	8.76	8.75	4.9306	2.8008	-0.0021	7.7293	0.2032	0.033	0.0072	0.2434
40	8.69	8.71	4.9304	2.8005	-0.0019	7.729	0.2034	0.0294	0.0075	0.2404
41	8.89	8.69	4.9304	2.8001	-0.0019	7.7286	0.2045	0.0304	0.0093	0.2442
42	8.56	8.65	4.9305	2.8003	-0.0018	7.729	0.209	0.0325	0.0096	0.251
43	8.14	8.61	4.9304	2.8007	-0.0018	7.7293	0.2168	0.0304	0.0084	0.2556
44	8.67	8.63	4.9301	2.8011	-0.0019	7.7293	0.217	0.0344	0.0093	0.2608
45	8.43	8.64	4.9306	2.8013	-0.0019	7.73	0.2179	0.0289	0.0095	0.2564
46	8.77	8.68	4.932	2.8016	-0.0018	7.7317	0.2176	0.0228	0.0102	0.2506
47	8.62	8.75	4.9328	2.8011	-0.0019	7.732	0.216	0.0196	0.0101	0.2458
48	8.33	8.8	4.934	2.8009	-0.002	7.7329	0.2202	0.0195	0.01	0.2497
49	8.57	8.87	4.9339	2.8008	-0.0021	7.7326	0.2248	0.0229	0.0112	0.2589
50	8.41	8.92	4.9346	2.8007	-0.002	7.7333	0.2266	0.0255	0.0118	0.264
51	8.5	8.93	4.9347	2.8009	-0.0021	7.7335	0.2195	0.024	0.015	0.2585
52	8.51	8.96	4.9344	2.8008	-0.0022	7.733	0.2132	0.0258	0.0159	0.2548
53	9.16	9.01	4.9341	2.8008	-0.0022	7.7326	0.2059	0.0213	0.0165	0.2437
54	9.18	9.03	4.9333	2.8006	-0.0023	7.7316	0.1986	0.0199	0.0203	0.2388
55	9.48	9.06	4.9324	2.8007	-0.0023	7.7308	0.202	0.0176	0.0207	0.2402
56	9.81	9.06	4.9312	2.8009	-0.0023	7.7298	0.2094	0.0177	0.0213	0.2484
57	9.77	9.08	4.93	2.8007	-0.0023	7.7283	0.2164	0.0197	0.0235	0.2596
58	9.97	9.1	4.9288	2.8005	-0.0022	7.7272	0.2262	0.0254	0.024	0.2757
59	9.76	9.13	4.9277	2.8007	-0.0021	7.7263	0.2321	0.0285	0.024	0.2846
60	9.13	9.16	4.9266	2.8009	-0.0021	7.7254	0.2312	0.0377	0.0239	0.2927
61	9.01	9.16	4.9258	2.8006	-0.0022	7.7242	0.2216	0.0472	0.0219	0.2908
62	9.04	9.17	4.9251	2.8005	-0.0021	7.7234	0.2157	0.0558	0.021	0.2926
63	9.17	9.15	4.9252	2.8003	-0.0019	7.7236	0.2164	0.0629	0.0193	0.2986
64	8.9	9.14	4.9252	2.8002	-0.002	7.7234	0.2141	0.0653	0.0171	0.2965
65	8.78	9.1	4.9246	2.8003	-0.0022	7.7227	0.2055	0.063	0.0166	0.2851

66	8.96	9.03	4.9243	2.8003	-0.0024	7.7222	0.2017	0.0627	0.0167	0.2811
67	8.88	8.97	4.9238	2.8007	-0.0024	7.7222	0.2006	0.0652	0.0156	0.2814
68	9.13	8.91	4.9234	2.8009	-0.0025	7.7218	0.1995	0.0603	0.015	0.2749
69	8.85	8.84	4.9227	2.8008	-0.0024	7.7211	0.1983	0.0544	0.0141	0.2668
70	8.53	8.82	4.9225	2.8004	-0.0023	7.7206	0.1949	0.0551	0.013	0.2629
71	8.69	8.81	4.9218	2.8003	-0.0022	7.7199	0.1881	0.0511	0.0121	0.2513
72	8.78	8.81	4.9213	2.8004	-0.0022	7.7195	0.1905	0.0516	0.013	0.2551
73	8.94	8.81	4.9211	2.8003	-0.0023	7.7191	0.2001	0.052	0.0127	0.2648
74	8.82	8.8	4.921	2.7999	-0.0025	7.7184	0.2063	0.0526	0.0111	0.27
75	8.46	8.83	4.9211	2.8001	-0.0024	7.7188	0.2101	0.0479	0.0105	0.2685
76	8.68	8.83	4.9209	2.8003	-0.0024	7.7188	0.2122	0.0467	0.0117	0.2706
77	8.73	8.83	4.9204	2.8005	-0.0025	7.7185	0.2152	0.0467	0.0112	0.2732
78	8.48	8.83	4.92	2.8005	-0.0026	7.7179	0.2186	0.0461	0.0101	0.2749
79	8.71	8.83	4.9196	2.8004	-0.0027	7.7172	0.2191	0.041	0.0081	0.2682
80	8.92	8.88	4.9187	2.8001	-0.0027	7.7161	0.207	0.0389	0.007	0.2529
81	9.07	8.91	4.9182	2.8001	-0.0026	7.7157	0.1913	0.0367	0.0068	0.2348
82	9.02	8.93	4.9181	2.7998	-0.0023	7.7156	0.1842	0.0339	0.006	0.2241
83	8.82	8.99	4.919	2.7996	-0.0021	7.7165	0.1844	0.0284	0.006	0.2188
84	9.29	9	4.9205	2.7993	-0.0019	7.718	0.1801	0.022	0.0055	0.2076
85	8.95	9.02	4.9211	2.7995	-0.0017	7.7189	0.183	0.0171	0.0062	0.2063
86	8.96	9.04	4.921	2.8	-0.0018	7.7191	0.1907	0.0179	0.0091	0.2178
87	9.06	9.07	4.9201	2.7998	-0.002	7.7179	0.1933	0.0173	0.0084	0.2189
88	8.88	9.12	4.9197	2.8	-0.0022	7.7175	0.1912	0.0198	0.0089	0.22
89	9.39	9.15	4.9194	2.8003	-0.0022	7.7175	0.191	0.0171	0.009	0.217
90	9.29	9.18	4.9191	2.8001	-0.0024	7.7169	0.1881	0.0179	0.0078	0.2138
91	9.2	9.19	4.9185	2.7999	-0.0024	7.716	0.1873	0.0158	0.0068	0.2098
92	10	9.23	4.9176	2.8001	-0.0023	7.7154	0.1849	0.011	0.0063	0.2022
93	8.99	9.25	4.9174	2.7997	-0.0024	7.7146	0.1827	0.0107	0.0056	0.199
94	8.9	9.26	4.917	2.8002	-0.0024	7.7148	0.1785	0.0117	0.0029	0.193
95	9.11	9.28	4.9169	2.8007	-0.0025	7.7151	0.178	0.0122	0.0007	0.1909
96	9.35	9.3	4.9168	2.801	-0.0025	7.7153	0.1843	0.0125	0	0.1968
97	9.25	9.34	4.9162	2.801	-0.0025	7.7147	0.2017	0.0137	0.0008	0.2162
98	9.32	9.35	4.9155	2.8006	-0.0026	7.7135	0.2185	0.0015	0.0012	0.2212
99	9.61	9.33	4.9151	2.8003	-0.0027	7.7127	0.2341	-0.0008	0.0034	0.2367
100	9.1	9.31	4.9146	2.8003	-0.0027	7.7122	0.2336	0.0001	0.0049	0.2386
101	9.91	9.35	4.9146	2.8002	-0.0028	7.712	0.2382	0.0008	0.0051	0.2441
102	9.15	9.29	4.9147	2.8005	-0.0029	7.7123	0.2382	0.0022	0.006	0.2465

103	9.52	9.34	4.9153	2.8007	-0.0032	7.7129	0.2404	-0.0007	0.007	0.2467
104	9.2	9.38	4.9154	2.8009	-0.0032	7.7131	0.245	-0.0012	0.0052	0.249
105	9.41	9.41	4.9148	2.8011	-0.0032	7.7127	0.2434	-0.0005	0.0032	0.2462
106	9.74	9.43	4.9139	2.8009	-0.0035	7.7113	0.2384	0.0026	0.0013	0.2423
107	9.22	9.44	4.9131	2.8005	-0.0035	7.7101	0.2282	0.0103	0.0015	0.24
108	8.9	9.42	4.9126	2.8002	-0.0035	7.7093	0.2174	0.0121	0.0016	0.231
109	8.99	9.4	4.9126	2.7993	-0.0036	7.7083	0.2145	0.0149	0.0043	0.2337
110	9.93	9.39	4.9134	2.7985	-0.0034	7.7085	0.2017	0.0205	0.0047	0.227
111	8.94	9.34	4.9135	2.7979	-0.0034	7.708	0.1868	0.0254	0.004	0.2162
112	9.79	9.31	4.9132	2.7973	-0.0032	7.7074	0.1748	0.0224	0.0032	0.2003
113	9.66	9.27	4.9136	2.7972	-0.003	7.7078	0.1634	0.0197	0.0033	0.1864
114	9.67	9.25	4.9143	2.7973	-0.0028	7.7088	0.162	0.016	0.0043	0.1822
115	9.76	9.2	4.9142	2.7974	-0.0026	7.709	0.1596	0.0151	0.0027	0.1775
116	9.47	9.14	4.9145	2.7974	-0.0025	7.7093	0.1524	0.0148	-0.0013	0.1659
117	8.95	9.14	4.9151	2.7976	-0.0025	7.7102	0.1467	0.0143	-0.003	0.158
118	9.24	9.12	4.9156	2.7979	-0.0024	7.711	0.1451	0.0161	-0.003	0.1582
119	8.87	9.14	4.916	2.798	-0.0024	7.7116	0.1487	0.016	-0.0031	0.1616
120	9.05	9.11	4.9164	2.7985	-0.0024	7.7125	0.1502	0.0154	-0.001	0.1646
121	8.58	9.14	4.9167	2.7985	-0.0025	7.7126	0.1519	0.0148	0.0003	0.167
122	8.83	9.1	4.9166	2.7986	-0.0025	7.7127	0.146	0.016	0.0009	0.1628
123	8.69	9.07	4.9165	2.7986	-0.0024	7.7128	0.1376	0.0198	0.0003	0.1576
124	8.44	9.02	4.9164	2.799	-0.0024	7.713	0.1331	0.0204	-0.0012	0.1524
125	8.7	8.96	4.9161	2.799	-0.0025	7.7126	0.1315	0.0112	-0.0028	0.1399
126	9.16	8.94	4.9156	2.7989	-0.0025	7.712	0.1371	0.011	-0.001	0.1471
127	8.64	8.95	4.9153	2.7989	-0.0025	7.7117	0.1413	0.0121	0.0001	0.1535
128	9.33	8.94	4.9149	2.7993	-0.0025	7.7117	0.1457	0.0136	0.0005	0.1598
129	9.39	8.96	4.9145	2.7994	-0.0026	7.7113	0.1526	0.0097	-0.0003	0.1619
130	9.36	8.95	4.9145	2.7995	-0.0026	7.7114	0.1595	0.0084	-0.001	0.1669
131	9.22	8.95	4.9143	2.7995	-0.0026	7.7112	0.1567	0.0068	-0.0007	0.1627
132	8.9	8.96	4.9139	2.7996	-0.0027	7.7108	0.1526	0.0047	0.0006	0.1578
133	8.75	8.99	4.9137	2.7998	-0.0028	7.7106	0.1613	0.0039	0.0041	0.1693
134	8.75	9.01	4.9134	2.7997	-0.0029	7.7103	0.1741	0.0069	0.0071	0.1882
135	8.97	9.01	4.9129	2.7994	-0.0029	7.7094	0.1904	0.0057	0.0105	0.2066
136	9.25	8.99	4.9123	2.7996	-0.0028	7.709	0.2006	0.0142	0.0096	0.2244
137	9.05	8.99	4.912	2.7993	-0.0029	7.7084	0.2003	0.0242	0.0071	0.2316
138	9.24	8.96	4.9119	2.7992	-0.003	7.7081	0.1876	0.026	0.0033	0.2169
139	8.71	8.93	4.9118	2.799	-0.0029	7.7079	0.1805	0.0349	0.0003	0.2157

140	8.61	8.91	4.9116	2.7989	-0.0026	7.708	0.179	0.0369	-0.0005	0.2154
141	9.08	8.9	4.9119	2.799	-0.0025	7.7084	0.1674	0.0308	-0.0033	0.1949
142	9.21	8.9	4.9122	2.7992	-0.0024	7.7091	0.1512	0.0235	-0.0026	0.1721
143	8.85	8.91	4.9126	2.7996	-0.0021	7.71	0.1374	0.0246	0.0014	0.1634
144	8.78	8.92	4.9123	2.7998	-0.0019	7.7102	0.126	0.0216	0.0029	0.1505
145	8.72	8.92	4.9121	2.8001	-0.0019	7.7103	0.1233	0.0214	0.0038	0.1484
146	8.59	8.93	4.9118	2.8002	-0.0019	7.7101	0.118	0.0229	0.0044	0.1453
147	8.86	8.92	4.911	2.8009	-0.002	7.7099	0.1219	0.0246	0.0054	0.152
148	8.84	8.96	4.9106	2.801	-0.0023	7.7092	0.1267	0.0219	0.004	0.1526
149	8.96	8.97	4.9105	2.8008	-0.0026	7.7087	0.1337	0.0153	0.0021	0.1511
150	8.95	8.97	4.9108	2.8007	-0.0025	7.7089	0.1388	0.0131	0.0016	0.1535
151	8.86	8.95	4.9109	2.8006	-0.0027	7.7088	0.1392	0.0145	0.0027	0.1564
152	8.98	8.94	4.9104	2.8009	-0.0029	7.7083	0.1375	0.0132	0.0037	0.1543
153	9.01	8.96	4.9096	2.8009	-0.0028	7.7077	0.1518	0.0219	0.0046	0.1783
154	9.01	8.96	4.9089	2.8006	-0.0026	7.7069	0.1639	0.0287	0.0031	0.1956
155	9.38	8.98	4.9085	2.8004	-0.0024	7.7065	0.1725	0.0355	0.0045	0.2125
156	8.9	9.05	4.9084	2.7999	-0.0025	7.7058	0.1697	0.0398	0.0042	0.2136
157	9.93	9.1	4.9082	2.7995	-0.0025	7.7052	0.1567	0.0453	-0.0007	0.2012
158	8.85	9.12	4.9074	2.799	-0.0026	7.7038	0.1493	0.0461	-0.004	0.1913
159	8.75	9.13	4.9075	2.7986	-0.0026	7.7036	0.1455	0.0479	-0.0068	0.1866
160	8.54	9.14	4.9079	2.7984	-0.0025	7.7038	0.1502	0.0367	-0.0096	0.1773
161	9.12	9.17	4.9083	2.7984	-0.0025	7.7042	0.1616	0.0212	-0.0088	0.1739
162	9.27	9.16	4.9087	2.7985	-0.0024	7.7048	0.1655	0.0087	-0.0078	0.1664
163	8.78	9.19	4.909	2.7987	-0.0023	7.7054	0.1632	-0.0009	-0.0056	0.1567
164	9.1	9.19	4.9093	2.7987	-0.0023	7.7057	0.167	-0.006	-0.0035	0.1575
165	9.95	9.2	4.9094	2.7988	-0.0021	7.7061	0.1723	-0.0035	-0.0011	0.1676
166	9.68	9.23	4.9096	2.7989	-0.0021	7.7064	0.1713	-0.0025	0.0002	0.1689
167	9.3	9.19	4.9093	2.7991	-0.0021	7.7063	0.1726	0.0015	0.0007	0.1748
168	9.19	9.22	4.9085	2.7993	-0.0021	7.7057	0.1809	0.0031	-0.0002	0.1838
169	9.16	9.26	4.9077	2.7992	-0.0023	7.7046	0.1866	0.0026	0.0013	0.1905
170	9.29	9.32	4.9073	2.7989	-0.0024	7.7039	0.1893	0.0038	0.0037	0.1968
171	8.86	9.34	4.9072	2.7987	-0.0023	7.7036	0.1905	0.0061	0.0039	0.2005
172	9.59	9.34	4.9075	2.7984	-0.0022	7.7037	0.1978	0.0075	0.003	0.2083
173	9.05	9.34	4.9078	2.7983	-0.0022	7.7039	0.1983	0.0062	0.0036	0.2081
174	9.53	9.37	4.9079	2.7987	-0.0022	7.7044	0.2021	0.0102	0.0064	0.2187
175	9.38	9.31	4.9074	2.799	-0.0023	7.7041	0.2089	0.0182	0.0063	0.2334
176	9.26	9.28	4.9068	2.7991	-0.0024	7.7035	0.2151	0.0255	0.0055	0.2461

177	9.34	9.26	4.9059	2.7992	-0.0025	7.7025	0.2158	0.0255	0.0039	0.2452
178	9.56	9.27	4.9047	2.7995	-0.0025	7.7017	0.2127	0.0284	0.0023	0.2434
179	9.72	9.3	4.9036	2.7995	-0.0026	7.7005	0.2093	0.0335	0.002	0.2448
180	9.47	9.32	4.9031	2.7995	-0.0026	7.6999	0.2094	0.0324	0.0001	0.2419
181	9.33	9.34	4.903	2.7996	-0.0027	7.6999	0.211	0.0328	0	0.2438
182	8.81	9.3	4.902	2.7994	-0.0027	7.6987	0.2016	0.0354	-0.0002	0.2369
183	9.52	9.27	4.9016	2.7989	-0.0028	7.6977	0.1852	0.0357	0.0009	0.2218
184	8.87	9.22	4.9015	2.7987	-0.0029	7.6973	0.1887	0.0438	0.0012	0.2337
185	9.04	9.18	4.9011	2.7981	-0.0027	7.6964	0.1915	0.0451	-0.0024	0.2343
186	9	9.14	4.901	2.7976	-0.0026	7.696	0.1859	0.0411	-0.0045	0.2225
187	9.33	9.12	4.9014	2.7972	-0.0023	7.6962	0.1785	0.0399	-0.0018	0.2167
188	9.67	9.1	4.9016	2.7965	-0.0022	7.6959	0.1718	0.0379	0.0019	0.2116
189	9.72	9.05	4.9016	2.7966	-0.0021	7.696	0.1665	0.0435	0.0029	0.2128
190	9.28	9.02	4.9024	2.797	-0.002	7.6974	0.1675	0.041	0.0072	0.2157
191	8.75	9.01	4.9034	2.7976	-0.0021	7.6988	0.1617	0.0392	0.0082	0.2091
192	8.63	9.03	4.9038	2.7976	-0.0024	7.699	0.1698	0.0402	0.008	0.218
193	8.53	9.05	4.9047	2.7975	-0.0027	7.6996	0.1804	0.042	0.0088	0.2312
194	8.66	9.12	4.9047	2.798	-0.0028	7.6999	0.1866	0.0449	0.0105	0.242
195	8.45	9.15	4.9051	2.7984	-0.0029	7.7005	0.1843	0.0478	0.0127	0.2448
196	8.92	9.17	4.9046	2.7985	-0.003	7.7001	0.1816	0.0486	0.013	0.2432
197	9.12	9.18	4.9035	2.7988	-0.0029	7.6994	0.1842	0.0499	0.013	0.2471
198	8.76	9.17	4.9021	2.7991	-0.0028	7.6984	0.1813	0.0587	0.0102	0.2503
199	8.97	9.16	4.9012	2.799	-0.0029	7.6974	0.1779	0.0646	0.0037	0.2462
200	9.06	9.14	4.9007	2.7989	-0.003	7.6966	0.1821	0.0642	-0.0007	0.2457
201	9.36	9.16	4.9009	2.7989	-0.0032	7.6966	0.1839	0.0563	0.0012	0.2415
202	9.88	9.13	4.8995	2.7983	-0.0034	7.6944	0.1871	0.0517	0.0016	0.2404
203	10.2	9.17	4.899	2.7979	-0.0035	7.6933	0.184	0.0571	-0.0008	0.2403
204	9.56	9.16	4.8981	2.7974	-0.0036	7.6919	0.1757	0.0524	-0.0017	0.2263
205	9.33	9.18	4.8978	2.7971	-0.0036	7.6913	0.1689	0.0468	-0.0019	0.2138
206	9.61	9.17	4.8982	2.7964	-0.0034	7.6912	0.1624	0.043	-0.0003	0.2051
207	9.48	9.12	4.8981	2.7959	-0.0031	7.6909	0.1558	0.0355	0.0016	0.1929
208	9.42	9.1	4.898	2.7955	-0.0028	7.6907	0.1467	0.0327	0.0039	0.1832
209	8.92	9.09	4.8976	2.7957	-0.0026	7.6906	0.1372	0.0248	0.003	0.165
210	9.27	9.07	4.8972	2.7964	-0.0025	7.6911	0.1415	0.0144	0.0029	0.1588
211	8.04	9.02	4.8969	2.7971	-0.0026	7.6914	0.155	0.0096	0.0026	0.1673
212	9.15	8.98	4.8969	2.7974	-0.0026	7.6917	0.1679	0.0109	0.0048	0.1836
213	8.65	8.91	4.8969	2.7978	-0.0026	7.6921	0.1742	0.0159	0.0081	0.1982

214	8.74	8.89	4.8971	2.7977	-0.0027	7.692	0.1797	0.02	0.0119	0.2116
215	8.66	8.9	4.8971	2.7976	-0.0027	7.6921	0.1833	0.0215	0.0123	0.2171
216	8.23	8.9	4.8972	2.7972	-0.0026	7.6918	0.1866	0.0305	0.0138	0.2309
217	8.39	8.91	4.897	2.7973	-0.0025	7.6918	0.1918	0.0331	0.0112	0.236
218	8.81	8.91	4.8969	2.7976	-0.0025	7.692	0.1888	0.0362	0.01	0.2349
219	8.59	8.98	4.8971	2.7976	-0.0028	7.6919	0.1747	0.0351	0.0094	0.2191
220	8.41	9.01	4.8974	2.7979	-0.0028	7.6925	0.1647	0.0274	0.0071	0.1992
221	9.22	9.1	4.8969	2.7977	-0.0028	7.6918	0.1637	0.0171	0.0091	0.19
222	8.76	9.12	4.8967	2.798	-0.0028	7.6919	0.1682	0.013	0.0114	0.1926
223	9.3	9.19	4.8963	2.7976	-0.003	7.6909	0.1761	0.0086	0.0122	0.1969
224	9.39	9.23	4.8956	2.7972	-0.003	7.6897	0.1817	0.0066	0.0139	0.2022
225	9.59	9.24	4.8946	2.7965	-0.0031	7.688	0.1882	0.0158	0.0172	0.2211
226	9.68	9.3	4.894	2.7963	-0.0029	7.6875	0.1834	0.0224	0.0162	0.222
227	9.42	9.36	4.8941	2.796	-0.0027	7.6874	0.178	0.0231	0.0167	0.2178
228	10.3	9.41	4.894	2.796	-0.0027	7.6872	0.1741	0.0294	0.0168	0.2203
229	9.87	9.49	4.8936	2.7962	-0.0026	7.6871	0.1745	0.0472	0.0154	0.2371
230	9.71	9.56	4.8934	2.7962	-0.0026	7.687	0.171	0.0581	0.0127	0.2418
231	9.58	9.58	4.8942	2.7959	-0.0026	7.6875	0.1648	0.0628	0.0118	0.2394
232	10	9.65	4.8953	2.7961	-0.0028	7.6886	0.1589	0.0684	0.0121	0.2393
233	9.43	9.66	4.8948	2.7954	-0.0029	7.6873	0.1518	0.0669	0.0083	0.227
234	8.91	9.67	4.8943	2.7952	-0.0026	7.6869	0.1489	0.0609	0.0056	0.2154
235	9.37	9.65	4.8943	2.7953	-0.0025	7.6872	0.1566	0.056	0.0028	0.2153
236	9.51	9.62	4.8944	2.7956	-0.0026	7.6874	0.1612	0.0471	0.0046	0.2128
237	9.78	9.59	4.8948	2.7955	-0.0031	7.6873	0.167	0.0418	0.0064	0.2152
238	10	9.54	4.8952	2.7948	-0.0033	7.6868	0.1773	0.0381	0.0084	0.2239
239	9.7	9.54	4.895	2.7949	-0.0036	7.6863	0.179	0.0298	0.009	0.2178
240	9.7	9.57	4.8955	2.795	-0.0034	7.6871	0.1688	0.0306	0.0104	0.2097
241	10.1	9.59	4.8949	2.795	-0.0033	7.6866	0.1538	0.04	0.0124	0.2061
242	9.48	9.56	4.8942	2.795	-0.0032	7.6859	0.1537	0.049	0.0133	0.216
243	9.55	9.56	4.8939	2.7951	-0.0031	7.6858	0.1551	0.0553	0.012	0.2224
244	9.24	9.58	4.8939	2.7951	-0.0032	7.6858	0.1613	0.0612	0.011	0.2335
245	9.07	9.55	4.894	2.7952	-0.0032	7.686	0.1586	0.0706	0.0122	0.2415
246	8.86	9.52	4.8934	2.7952	-0.0032	7.6854	0.1649	0.071	0.0128	0.2487
247	9.27	9.49	4.8929	2.795	-0.003	7.6849	0.1665	0.0677	0.0152	0.2495
248	9.87	9.44	4.8928	2.7945	-0.0027	7.6846	0.1632	0.0684	0.0162	0.2478
249	10.4	9.43	4.8923	2.7944	-0.0025	7.6842	0.1599	0.0703	0.0152	0.2454
250	9.94	9.43	4.8924	2.795	-0.0027	7.6848	0.1571	0.0645	0.0114	0.233

251	9.33	9.4	4.8922	2.7955	-0.0029	7.6848	0.1558	0.0575	0.0066	0.22
252	9.55	9.4	4.892	2.7952	-0.0028	7.6843	0.1609	0.058	0.0034	0.2223
253	9.18	9.42	4.892	2.7956	-0.0026	7.685	0.1497	0.0533	0.0021	0.2051
254	8.92	9.47	4.892	2.796	-0.0024	7.6856	0.1437	0.047	-0.0007	0.19
255	8.96	9.51	4.8923	2.7961	-0.0024	7.686	0.1417	0.0418	-0.0029	0.1807
256	9.22	9.57	4.8928	2.7964	-0.0027	7.6865	0.1431	0.0402	-0.0034	0.1798
257	8.98	9.59	4.8936	2.7962	-0.0029	7.6869	0.1476	0.0337	-0.0008	0.1805
258	9.46	9.6	4.8937	2.7966	-0.0029	7.6873	0.1475	0.0284	0.0018	0.1777
259	9.71	9.55	4.8934	2.7972	-0.0029	7.6877	0.1505	0.0256	0.0038	0.1799
260	9.64	9.57	4.8924	2.7974	-0.0028	7.6871	0.1484	0.0286	0.0057	0.1827
261	9.43	9.62	4.8916	2.7973	-0.003	7.6858	0.1453	0.0366	0.0068	0.1888
262	9.86	9.62	4.8913	2.7969	-0.0033	7.685	0.1446	0.043	0.0049	0.1925
263	10.3	9.66	4.891	2.7967	-0.0035	7.6842	0.1469	0.0444	0.0035	0.1949
264	9.8	9.72	4.8909	2.7966	-0.0035	7.684	0.148	0.0444	0.0028	0.1953
265	10	9.75	4.8907	2.7957	-0.0035	7.683	0.1494	0.0403	0.0026	0.1922
266	9.61	9.8	4.8904	2.7956	-0.0032	7.6828	0.1541	0.0381	0.0063	0.1985
267	10.1	9.85	4.8904	2.7955	-0.0031	7.6828	0.1584	0.0379	0.0078	0.2041
268	9.47	9.87	4.891	2.7958	-0.0031	7.6837	0.152	0.0338	0.012	0.1977
269	10.3	9.87	4.8913	2.7965	-0.003	7.6847	0.7294	0.0365	-0.5849	0.1811
270	10.2	9.86	4.8909	2.7972	-0.0033	7.6849	1.1415	0.0398	-0.9956	0.1857
271	9.64	9.89	4.8904	2.7974	-0.0034	7.6843	1.1452	0.0452	-0.977	0.2134
272	9.95	9.93	4.8899	2.7976	-0.0034	7.6841	1.1388	0.0484	-0.9761	0.2111
273	9.99	9.92	4.8896	2.7976	-0.0036	7.6837	1.1464	0.0585	-0.9779	0.2271
274	9.61	9.93	4.8891	2.7972	-0.0039	7.6823	1.1568	0.0595	-0.984	0.2323
275	10.1	9.94	4.8891	2.7968	-0.0039	7.6819	1.1506	0.0609	-0.984	0.2276
276	9.99	9.98	4.889	2.7968	-0.0041	7.6817	1.1367	0.0597	-0.9839	0.2125
277	9.78	9.98	4.8885	2.7963	-0.0042	7.6805	1.127	0.0602	-0.9819	0.2054
278	9.62	9.99	4.8873	2.7948	-0.0041	7.678	1.1275	0.0565	-0.9822	0.2019
279	9.59	9.95	4.8865	2.7937	-0.0039	7.6763	1.1328	0.0535	-0.984	0.2024
280	9.89	9.92	4.8866	2.7932	-0.0038	7.6759	1.1313	0.0553	-0.9824	0.2043
281	10.6	9.92	4.8871	2.7928	-0.0039	7.676	1.1268	0.0534	-0.9842	0.196
282	10.3	9.88	4.8868	2.7927	-0.0035	7.676	1.129	0.0533	-0.986	0.1964
283	9.81	9.82	4.8867	2.7928	-0.0033	7.6762	1.1365	0.0593	-0.9907	0.2052
284	10.2	9.79	4.8858	2.7931	-0.0032	7.6758	1.1241	0.0542	-0.9938	0.1845
285	10.4	9.75	4.885	2.7933	-0.0031	7.6752	1.1066	0.0503	-0.9916	0.1653
286	10.1	9.77	4.8843	2.7934	-0.0032	7.6745	1.0988	0.047	-0.988	0.1578
287	9.71	9.75	4.8836	2.7934	-0.0032	7.6739	1.0976	0.0486	-0.9894	0.1568

288	9.57	9.74	4.8837	2.7935	-0.0031	7.6741	1.1003	0.0455	-0.992	0.1538
289	9.64	9.73	4.8847	2.7935	-0.0032	7.675	1.1047	0.0324	-0.9938	0.1433
290	9.54	9.68	4.887	2.7931	-0.0033	7.6768	1.1075	0.0324	-0.9956	0.1443
291	9.16	9.59	4.888	2.7927	-0.0035	7.6772	1.1151	0.0375	-0.9932	0.1593
292	8.96	9.53	4.8883	2.7921	-0.0036	7.6768	1.1143	0.0385	-0.9941	0.1587
293	9.02	9.49	4.8886	2.7914	-0.0038	7.6762	1.1103	0.0402	-0.9964	0.1542
294	9.28	9.46	4.8889	2.791	-0.004	7.6758	1.105	0.0414	-0.997	0.1495
295	10.4	9.43	4.8886	2.7913	-0.0042	7.6757	1.0989	0.0354	-0.9959	0.1384
296	9.37	9.43	4.888	2.7918	-0.0046	7.6752	1.0953	0.035	-0.9958	0.1345
297	9.54	9.44	4.8872	2.792	-0.0045	7.6746	1.0855	0.0368	-0.996	0.1263
298	9.28	9.46	4.8861	2.7921	-0.0044	7.6738	1.0816	0.0323	-0.9963	0.1176
299	9	9.5	4.8855	2.7926	-0.004	7.6741	1.0778	0.022	-0.9911	0.1087
300	8.93	9.58	4.8851	2.7931	-0.0036	7.6746	1.0721	0.0278	-0.9893	0.1106
301	9.02	9.65	4.8848	2.7931	-0.0035	7.6743	1.0796	0.031	-0.9913	0.1194
302	9.14	9.71	4.8845	2.793	-0.0036	7.6739	1.0875	0.0322	-0.9934	0.1263
303	9.68	9.75	4.8846	2.7932	-0.0034	7.6743	1.0986	0.0214	-0.9932	0.1268
304	9.81	9.78	4.8839	2.7932	-0.0033	7.6738	1.112	0.0204	-0.9897	0.1428
305	10	9.76	4.8835	2.7931	-0.0033	7.6733	1.1212	0.0227	-0.9859	0.158
306	9.98	9.8	4.8834	2.793	-0.0033	7.6732	1.1311	0.0235	-0.9842	0.1704
307	9.86	9.84	4.8834	2.7931	-0.0033	7.6732	1.1363	0.02	-0.9828	0.1736
308	10.6	9.87	4.883	2.7929	-0.0032	7.6727	1.144	0.0238	-0.9829	0.1849
309	10.9	9.93	4.8827	2.7928	-0.0032	7.6723	1.1539	0.0182	-0.9817	0.1903
310	10.5	10	4.8827	2.7927	-0.0032	7.6722	1.1587	0.0218	-0.9791	0.2014
311	10.2	10.1	4.8825	2.7928	-0.0031	7.6721	1.1557	0.0256	-0.9754	0.206
312	9.85	10.1	4.8822	2.793	-0.003	7.6722	1.1578	0.0286	-0.9748	0.2115
313	9.69	10.1	4.8821	2.7933	-0.0029	7.6726	1.164	0.0289	-0.979	0.2139
314	10.1	10.2	4.8821	2.7936	-0.003	7.6728	1.1648	0.027	-0.982	0.2098
315	10.2	10.2	4.8817	2.7938	-0.0033	7.6722	1.1688	0.0312	-0.9798	0.2202
316	10.3	10.1	4.8814	2.7935	-0.0034	7.6714	1.1691	0.0254	-0.9782	0.2163
317	9.83	10.2	4.8818	2.7939	-0.0037	7.6721	1.1634	0.0267	-0.9779	0.2123
318	10.2	10.2	4.824	2.794	0.0559	7.6739	1.1643	0.0281	-0.979	0.2134
319	10.5	10.2	4.7829	2.7936	0.0968	7.6733	1.1689	0.0278	-0.9777	0.2189
320	10.3	10.2	4.7829	2.7934	0.0949	7.6711	1.1821	0.0341	-0.9769	0.2393
321	10	10.2	4.783	2.7929	0.0948	7.6707	1.1761	0.0423	-0.981	0.2374
322	9.99	10.3	4.7821	2.7921	0.095	7.6691	1.1682	0.0434	-0.9843	0.2273
323	10.1	10.4	4.7806	2.7917	0.0954	7.6677	1.1659	0.0426	-0.985	0.2236
324	10	10.4	4.7805	2.7911	0.0954	7.6669	1.166	0.0452	-0.9865	0.2247

325	9.7	10.4	4.7809	2.7905	0.0953	7.6668	1.1631	0.0438	-0.9894	0.2175
326	10.4	10.4	4.7813	2.7903	0.0953	7.6669	1.1596	0.039	-0.99	0.2086
327	10.6	10.4	4.7813	2.7904	0.0955	7.6672	1.1553	0.0408	-0.9918	0.2042
328	11	10.4	4.7807	2.7906	0.0957	7.667	1.1485	0.0315	-0.9928	0.1872
329	10.7	10.4	4.7804	2.7906	0.0956	7.6667	1.1337	0.0142	-0.9928	0.1552
330	11	10.4	4.7807	2.7909	0.0958	7.6674	1.1162	0.0036	-0.9913	0.1284
331	11.4	10.5	4.7813	2.7906	0.096	7.6678	1.1055	-0.0035	-0.9912	0.1107
332	11	10.5	4.7817	2.7901	0.0962	7.6681	1.1036	-0.0085	-0.9921	0.103
333	10.5	10.5	4.7824	2.79	0.0965	7.6688	1.1017	-0.0094	-0.9883	0.104
334	10.5	10.5	4.7836	2.7902	0.0965	7.6703	1.1008	-0.0094	-0.9849	0.1065
335	10.3	10.6	4.7845	2.7906	0.0964	7.6714	1.0924	-0.009	-0.9814	0.102
336	10	10.6	4.7847	2.7907	0.0963	7.6717	1.0906	-0.006	-0.9774	0.1073
337	10.3	10.6	4.7848	2.791	0.0961	7.6719	1.1013	-0.0015	-0.9753	0.1245
338	10.1	10.6	4.7848	2.7916	0.0961	7.6725	1.1115	-0.0008	-0.9729	0.1378
339	10.5	10.6	4.7843	2.7916	0.096	7.6719	1.1244	0.0021	-0.9669	0.1596
340	10.7	10.6	4.784	2.7912	0.0959	7.6711	1.1383	0.0047	-0.9657	0.1773
341	10.2	10.6	4.7835	2.7911	0.0961	7.6707	1.1707	0.0042	-0.966	0.209
342	10.2	10.6	4.7832	2.791	0.0964	7.6705	1.1866	0.0023	-0.9694	0.2195
343	10.6	10.6	4.7834	2.7909	0.0966	7.6709	1.1947	-0.0029	-0.9721	0.2197
344	10.6	10.6	4.784	2.7915	0.0964	7.6719	1.2027	-0.0067	-0.9724	0.2235
345	10.7	10.6	4.7844	2.7917	0.0964	7.6725	1.2072	-0.0046	-0.9743	0.2282
346	10.9	10.6	4.7849	2.7915	0.0964	7.6728	1.2047	0.0063	-0.9782	0.2328
347	11.5	10.6	4.7847	2.7918	0.0966	7.6731	1.1978	0.0157	-0.9842	0.2293
348	10.6	10.7	4.785	2.7923	0.0964	7.6737	1.1818	0.0186	-0.9815	0.2189
349	10.7	10.7	4.7851	2.7916	0.0964	7.6731	1.1695	0.0206	-0.9787	0.2114
350	11.4	10.7	4.7844	2.7919	0.0965	7.6728	1.1683	0.0248	-0.9764	0.2167
351	10.9	10.8	4.7835	2.7923	0.0964	7.6722	1.1676	0.0289	-0.9764	0.2201
352	10.7	10.8	4.7821	2.793	0.0965	7.6716	1.1578	0.0302	-0.9757	0.2122
353	11	10.8	4.7808	2.7936	0.0964	7.6708	1.1527	0.023	-0.978	0.1977
354	10.6	10.8	4.7799	2.7937	0.0962	7.6698	1.1563	0.0199	-0.9758	0.2004
355	10.2	10.9	4.7792	2.7938	0.096	7.669	1.1527	0.0144	-0.9726	0.1946
356	10.1	10.9	4.7792	2.7944	0.0956	7.6692	1.1536	0.0168	-0.9697	0.2007
357	11.2	10.9	4.7792	2.7938	0.0954	7.6684	1.161	0.0191	-0.9675	0.2125
358	10.8	10.9	4.7783	2.7947	0.0953	7.6683	1.1638	0.0254	-0.9668	0.2224
359	11.2	11	4.7775	2.795	0.0951	7.6675	1.1617	0.0203	-0.9697	0.2123
360	10.7	11	4.7768	2.7949	0.0948	7.6665	1.1562	0.0201	-0.97	0.2063
361	11.2	11	4.7758	2.7944	0.0945	7.6647	1.1526	0.0219	-0.9713	0.2032

362	10.9	11	4.7749	2.794	0.0947	7.6636	1.1474	0.0188	-0.9734	0.1928
363	11	11	4.7746	2.794	0.0947	7.6632	1.1466	0.0173	-0.9736	0.1902
364	11.1	11.1	4.774	2.7934	0.0945	7.6619	1.1388	0.0161	-0.9698	0.185
365	11.4	11.1	4.7738	2.7932	0.0943	7.6613	1.127	0.0157	-0.9666	0.1761
366	11.6	11.1	4.7741	2.7929	0.0946	7.6616	1.1196	0.0184	-0.9662	0.1718
367	10.8	11.1	4.774	2.7927	0.0948	7.6615	1.1298	0.0139	-0.9624	0.1814
368	11.5	11.1	4.7742	2.793	0.0947	7.6619	1.1514	0.0193	-0.9614	0.2093
369	11.6	11	4.773	2.7931	0.0946	7.6608	0.5783	0.0258	-0.3654	0.2387
370	11.1	11	4.7733	2.793	0.0948	7.6611	0.1682	0.0263	0.0409	0.2354
371	11.1	11	4.7736	2.7931	0.095	7.6616	0.1685	0.0287	0.02	0.2172
372	11	11	4.7733	2.7933	0.095	7.6617	0.1693	0.0258	0.0191	0.2142
373	11.5	11	4.773	2.7931	0.0951	7.6612	0.1615	0.023	0.02	0.2045
374	11.1	10.9	4.7728	2.7928	0.095	7.6606	0.1497	0.0198	0.0215	0.191
375	9.8	10.9	4.7731	2.7929	0.0951	7.661	0.1509	0.0144	0.0181	0.1834
376	10.7	10.9	4.7735	2.7927	0.0951	7.6613	0.1539	0.0049	0.0173	0.1761
377	10.8	10.9	4.7736	2.7931	0.0951	7.6618	0.1552	0.0003	0.0183	0.1739
378	10.9	10.9	4.7739	2.7934	0.0952	7.6625	0.1571	0.0024	0.0201	0.1796
379	10.5	10.9	4.7749	2.7933	0.0952	7.6635	0.1519	0.0075	0.0211	0.1806
380	10.3	10.9	4.776	2.7935	0.0953	7.6649	0.1539	0.0074	0.0202	0.1816
381	10.6	10.9	4.7767	2.7936	0.0953	7.6657	0.145	0.0096	0.0192	0.1738
382	10.6	10.9	4.7766	2.7937	0.0953	7.6656	0.1447	0.0067	0.02	0.1714
383	10.8	10.9	4.7766	2.7937	0.0951	7.6655	0.1512	0.0018	0.023	0.176
384	10.7	10.9	4.7766	2.794	0.095	7.6656	0.1625	-0.0004	0.0232	0.1853
385	11.4	11	4.7759	2.7939	0.0946	7.6644	0.1696	-0.0042	0.0234	0.1888
386	11.1	11	4.7741	2.7936	0.0943	7.662	0.1711	-0.0062	0.021	0.1859
387	10.7	11	4.7725	2.7935	0.0941	7.6601	0.1708	-0.0092	0.0218	0.1834
388	11.5	11	4.7713	2.7933	0.0936	7.6582	0.1733	-0.0051	0.0211	0.1893
389	11.3	11	4.7708	2.793	0.0934	7.6573	0.1738	0.0028	0.0217	0.1983
390	11.4	11.1	4.77	2.7926	0.0933	7.6559	0.1652	0.0061	0.0217	0.193
391	11.5	11.1	4.7694	2.7924	0.0935	7.6553	0.1656	-0.0043	0.0232	0.1845
392	11.8	11.1	4.7689	2.7924	0.0936	7.6548	0.1617	-0.0016	0.0251	0.1852
393	11.3	11.2	4.7684	2.7921	0.0935	7.6539	0.1606	-0.0019	0.0291	0.1878
394	11.3	11.2	4.7681	2.7914	0.0934	7.653	0.1713	0.0004	0.0314	0.2031
395	10.8	11.2	4.7681	2.7907	0.0936	7.6524	0.1877	0.0064	0.0309	0.225
396	10.7	11.1	4.7682	2.7902	0.0939	7.6522	0.2032	0.0094	0.036	0.2487
397	10.9	11.1	4.769	2.7901	0.0936	7.6527	0.2232	0.0093	0.038	0.2704
398	10.5	11	4.7692	2.79	0.0935	7.6527	0.232	0.0147	0.0394	0.2861

399	11.3	11	4.7687	2.7901	0.0936	7.6524	0.2449	0.0233	0.0356	0.3038
400	11.1	10.9	4.7684	2.7902	0.094	7.6526	0.2531	0.0176	0.0376	0.3083
401	11.6	10.8	4.769	2.7901	0.0941	7.6531	0.2489	0.0248	0.0387	0.3124
402	11.3	10.7	4.7692	2.7907	0.0942	7.6541	0.2396	0.0276	0.0384	0.3056
403	11.1	10.7	4.769	2.7912	0.0942	7.6543	0.2272	0.0341	0.0401	0.3014
404	10.7	10.7	4.7687	2.7918	0.0939	7.6544	0.2173	0.0379	0.0408	0.2959
405	10.7	10.7	4.7682	2.7914	0.0937	7.6533	0.2022	0.0454	0.0383	0.2859
406	10.1	10.7	4.7673	2.7911	0.0935	7.6519	0.1886	0.0494	0.0362	0.2742
407	9.75	10.7	4.767	2.7905	0.0934	7.6509	0.1891	0.0595	0.031	0.2796
408	10.3	10.7	4.7668	2.7909	0.0938	7.6514	0.1873	0.0553	0.0265	0.269
409	10.2	10.6	4.7671	2.7908	0.0938	7.6517	0.1844	0.0644	0.0235	0.2724
410	9.96	10.5	4.7674	2.7905	0.0939	7.6519	0.1816	0.0656	0.0185	0.2656
411	10.6	10.5	4.7677	2.7909	0.0943	7.6529	0.1715	0.0606	0.0163	0.2484
412	10.8	10.4	4.7676	2.7913	0.0944	7.6532	0.1598	0.0559	0.0157	0.2314
413	11	10.4	4.7683	2.7917	0.0941	7.6541	0.148	0.0515	0.0195	0.219
414	10.6	10.4	4.7694	2.7921	0.0937	7.6552	0.1461	0.0438	0.0189	0.2087
415	10.6	10.3	4.7697	2.792	0.0933	7.655	0.1464	0.0357	0.0183	0.2003
416	10.7	10.4	4.7684	2.7921	0.0929	7.6533	0.1402	0.0353	0.0205	0.1959
417	10.1	10.5	4.7666	2.792	0.0925	7.6511	0.1468	0.0322	0.0234	0.2024
418	10.2	10.5	4.7661	2.7914	0.0925	7.65	0.152	0.0289	0.0272	0.2081
419	9.9	10.5	4.7661	2.791	0.0927	7.6498	0.1623	0.0379	0.0294	0.2296
420	10.5	10.5	4.766	2.7905	0.0929	7.6494	0.1612	0.0452	0.0306	0.237
421	10.1	10.5	4.7661	2.7903	0.0929	7.6493	0.1682	0.0478	0.034	0.2501
422	10.4	10.4	4.7659	2.7898	0.093	7.6487	0.1698	0.0504	0.0326	0.2528
423	10.2	10.4	4.7656	2.7897	0.0933	7.6486	0.1638	0.0548	0.0306	0.2493
424	10.6	10.3	4.7654	2.7896	0.0935	7.6486	0.1592	0.0562	0.0276	0.243
425	10.9	10.3	4.7655	2.79	0.0936	7.6491	0.1554	0.0535	0.021	0.2299
426	10.9	10.3	4.7658	2.7903	0.0935	7.6495	0.1568	0.0494	0.019	0.2253
427	10.7	10.3	4.7656	2.7901	0.0935	7.6492	0.1589	0.0474	0.0208	0.2272
428	11.2	10.3	4.7655	2.7898	0.0936	7.6489	0.1569	0.0469	0.0237	0.2276
429	10.2	10.3	4.765	2.7899	0.0936	7.6485	0.157	0.0387	0.026	0.2217
430	9.52	10.3	4.7662	2.7899	0.0939	7.65	0.1665	0.0327	0.0262	0.2255
431	10.1	10.3	4.7668	2.7899	0.094	7.6507	0.1715	0.0274	0.0282	0.227
432	10	10.3	4.7666	2.79	0.0939	7.6505	0.17	0.0247	0.0301	0.2247
433	9.66	10.3	4.7662	2.79	0.0941	7.6503	0.1667	0.0197	0.0324	0.2188
434	9.94	10.3	4.7666	2.7906	0.0942	7.6514	0.1682	0.0173	0.0323	0.2179
435	10.1	10.3	4.7674	2.7912	0.0943	7.6528	0.1762	0.0221	0.0307	0.2289

436	10.7	10.2	4.7676	2.7916	0.0941	7.6533	0.183	0.0295	0.028	0.2404
437	10.1	10.2	4.7675	2.7915	0.094	7.653	0.1838	0.0358	0.0263	0.2459
438	10.2	10.1	4.7674	2.7913	0.0939	7.6526	0.1751	0.0444	0.0244	0.2439
439	10.3	10.1	4.7678	2.791	0.0938	7.6526	0.1696	0.0536	0.0191	0.2423
440	9.68	10.1	4.7674	2.7917	0.0936	7.6527	0.1695	0.0558	0.0129	0.2382
441	10.7	10.2	4.7673	2.7913	0.0936	7.6522	0.157	0.047	0.0092	0.2132
442	10.3	10.2	4.7671	2.7912	0.0935	7.6517	0.1495	0.0319	0.0113	0.1926
443	10.8	10.2	4.7663	2.7909	0.0934	7.6506	0.1439	0.0261	0.0141	0.1841
444	10	10.2	4.7652	2.7909	0.0933	7.6494	0.1334	0.0243	0.0144	0.1721
445	10.1	10.2	4.7641	2.7908	0.0928	7.6476	0.1295	0.0173	0.013	0.1598
446	10.1	10.2	4.7625	2.7906	0.0926	7.6457	0.129	0.013	0.0099	0.152
447	9.92	10.2	4.7615	2.7903	0.0927	7.6445	0.1312	0.0105	0.0096	0.1512
448	9.81	10.2	4.7605	2.79	0.0928	7.6434	0.1436	0.0066	0.0075	0.1577
449	10.2	10.2	4.7598	2.7898	0.0927	7.6423	0.1504	0.0059	0.0067	0.163
450	10.7	10.2	4.7595	2.7895	0.0926	7.6416	0.1397	0.0103	0.0077	0.1577
451	10.3	10.1	4.7595	2.7895	0.0926	7.6416	0.1294	0.0091	0.0125	0.151
452	9.53	10.1	4.7594	2.7896	0.0925	7.6415	0.1338	0.0073	0.0124	0.1535
453	10.1	10	4.7591	2.7898	0.0923	7.6412	0.1364	0.014	0.0116	0.162
454	10.4	10	4.7597	2.7892	0.0923	7.6412	0.1381	0.0157	0.009	0.1628
455	10.1	9.98	4.7603	2.7888	0.0924	7.6416	0.1393	0.0163	0.0055	0.1611
456	10.3	9.94	4.7603	2.7884	0.0925	7.6412	0.1431	0.0074	0.0027	0.1532
457	10.4	9.92	4.7605	2.7883	0.0928	7.6415	0.1342	0.0043	0.0006	0.1391
458	10.1	9.92	4.7598	2.7883	0.0929	7.6411	0.1215	0.0002	0.0011	0.1228
459	10.1	9.9	4.7593	2.7884	0.0932	7.641	0.1141	0.0034	0.0059	0.1235
460	9.46	9.84	4.7597	2.7888	0.0931	7.6416	0.1164	0.0008	0.0073	0.1245
461	9.39	9.8	4.7598	2.7888	0.0929	7.6415	0.1173	-0.0055	0.0082	0.1199
462	9.61	9.81	4.7601	2.7889	0.0927	7.6417	0.1186	-0.0032	0.0091	0.1246
463	9.59	9.8	4.7599	2.7896	0.0928	7.6424	0.1181	0.0023	0.0107	0.1311
464	9.48	9.76	4.7594	2.7899	0.0926	7.6419	0.1295	0.0062	0.0091	0.1448
465	9.35	9.74	4.7598	2.7897	0.0923	7.6417	0.1387	0.0101	0.0076	0.1564
466	9.56	9.7	4.7594	2.7897	0.0922	7.6413	0.1422	0.0087	0.0025	0.1534
467	9.8	9.66	4.7588	2.7898	0.0921	7.6407	0.1382	0.0097	-0.0016	0.1463
468	9.82	9.63	4.7579	2.7892	0.0917	7.6389	0.1345	0.0133	-0.0044	0.1434
469	9.44	9.59	4.7569	2.7886	0.0916	7.6371	0.1362	0.0091	-0.0052	0.1401
470	9.62	9.58	4.7565	2.7882	0.0914	7.6361	0.137	0.0072	-0.004	0.1403
471	9.75	9.6	4.7566	2.788	0.0917	7.6363	0.1398	0.0029	-0.0026	0.1401
472	9.79	9.58	4.757	2.7878	0.092	7.6368	0.141	0.0007	-0.0036	0.138

473	9.72	9.56	4.7571	2.7875	0.0923	7.6369	0.1429	-0.0069	-0.0011	0.1349
474	9.72	9.55	4.7572	2.7874	0.0929	7.6376	0.1409	-0.013	0.0041	0.132
475	9.61	9.54	4.7574	2.7879	0.0932	7.6385	0.1353	-0.0176	0.0075	0.1253
476	9.68	9.55	4.7576	2.788	0.093	7.6386	0.1229	-0.0117	0.008	0.1193
477	9.52	9.59	4.7579	2.7884	0.0927	7.639	0.1152	-0.0058	0.0084	0.1178
478	9.2	9.61	4.7582	2.7895	0.0926	7.6403	0.1082	-0.0113	0.0116	0.1085
479	9.4	9.62	4.7582	2.7901	0.0926	7.6409	0.1178	-0.0115	0.016	0.1223
480	9.75	9.64	4.7589	2.7908	0.0925	7.6422	0.1323	-0.0084	0.019	0.1429
481	9.18	9.63	4.7597	2.7912	0.0923	7.6432	0.1585	-0.0026	0.0218	0.1777
482	9.25	9.62	4.76	2.7917	0.0921	7.6437	0.1643	0.0046	0.0213	0.1901
483	9.21	9.62	4.7598	2.792	0.0919	7.6437	0.1595	0.0101	0.0194	0.189
484	9.15	9.67	4.759	2.7918	0.0919	7.6427	0.1509	0.0157	0.0222	0.1888
485	9.89	9.74	4.7576	2.791	0.0918	7.6404	0.1529	0.0251	0.0229	0.201
486	10.5	9.77	4.7557	2.79	0.0917	7.6374	0.1582	0.0311	0.0231	0.2124
487	10.2	9.77	4.755	2.7891	0.0917	7.6357	0.1515	0.0372	0.0215	0.2103
488	9.7	9.74	4.7543	2.7879	0.0917	7.6339	0.1443	0.0369	0.02	0.2013
489	9.97	9.69	4.7539	2.7875	0.0921	7.6334	0.147	0.0368	0.0176	0.2015
490	9.53	9.64	4.7543	2.7879	0.0924	7.6346	0.1568	0.0335	0.0144	0.2046
491	9.6	9.61	4.7544	2.7892	0.0923	7.636	0.1541	0.0398	0.0111	0.205
492	9.79	9.59	4.7545	2.7898	0.0921	7.6364	0.1509	0.0349	0.0099	0.1958
493	10.6	9.58	4.755	2.7896	0.092	7.6367	0.1396	0.0367	0.0069	0.1832
494	11	9.57	4.7552	2.7897	0.0921	7.637	0.1239	0.0372	0.0071	0.1682
495	10.2	9.52	4.7552	2.7894	0.0926	7.6372	0.107	0.0315	0.0049	0.1435
496	9.54	9.49	4.7551	2.7891	0.0929	7.6371	0.0846	0.0305	-0.0015	0.1136
497	8.71	9.48	4.7546	2.7894	0.0929	7.637	0.0559	0.032	-0.0028	0.0851
498	8.44	9.47	4.7542	2.7894	0.0928	7.6364	0.035	0.0281	-0.0001	0.063
499	8.66	9.47	4.7547	2.7891	0.0929	7.6366	0.0274	0.0233	0.0004	0.0512
500	8.64	9.49	4.7554	2.7893	0.0928	7.6375	0.0214	0.0222	-0.0019	0.0417
501	8.9	9.48	4.7556	2.7893	0.0928	7.6378	0.0184	0.0203	-0.0018	0.0369
502	8.96	9.47	4.7556	2.7893	0.093	7.6379	0.0183	0.0199	0.0004	0.0386
503	9	9.4	4.7551	2.7896	0.0933	7.638	0.0168	0.0178	0.0007	0.0353
504	9.03	9.33	4.7547	2.7901	0.0934	7.6383	0.0198	0.0146	-0.001	0.0334
505	9.89	9.27	4.7539	2.7907	0.0934	7.6379	0.026	0.0066	-0.0008	0.0319
506	9.94	9.26	4.7539	2.7907	0.0934	7.638	0.049	0.0003	0.0031	0.0523
507	9.49	9.29	4.7549	2.7905	0.0933	7.6387	0.0666	-0.0086	0.0061	0.0641
508	10.1	9.36	4.7554	2.7905	0.0932	7.6391	0.0851	-0.0182	0.0076	0.0746
509	9.79	9.43	4.7555	2.7907	0.0931	7.6393	0.0865	-0.025	0.0102	0.0717

510	9.38	9.49	4.7557	2.7911	0.0931	7.6399	0.094	-0.0229	0.0138	0.0849
511	9.6	9.55	4.7559	2.7912	0.0933	7.6404	0.1012	-0.0174	0.014	0.0977
512	9.42	9.61	4.7557	2.791	0.0933	7.6401	0.1083	-0.0174	0.0102	0.1011
513	9.54	9.67	4.7553	2.7911	0.0932	7.6396	0.1159	-0.0183	0.007	0.1046
514	9.04	9.75	4.7556	2.791	0.0929	7.6396	0.114	-0.011	0.0072	0.1101
515	9.35	9.79	4.7555	2.7911	0.0931	7.6397	0.1156	-0.0033	0.0044	0.1168
516	9.34	9.82	4.7546	2.7911	0.093	7.6387	0.1228	-0.0052	0.0026	0.1203
517	9.74	9.85	4.7532	2.7907	0.0929	7.6368	0.1227	0.0031	-0.0007	0.1251
518	9.99	9.83	4.7525	2.7905	0.093	7.636	0.1059	0.0075	-0.005	0.1084
519	9.91	9.85	4.7524	2.7903	0.0931	7.6358	0.0946	0.0049	-0.0059	0.0935
520	9.95	9.88	4.752	2.7902	0.0932	7.6354	0.0759	-0.0001	-0.0046	0.0712
521	10.1	9.93	4.752	2.7902	0.0933	7.6355	0.0636	-0.0043	-0.0043	0.055
522	10.2	9.99	4.7517	2.7905	0.0931	7.6352	0.0637	-0.0043	-0.0017	0.0577
523	10.6	10	4.7516	2.791	0.0928	7.6354	0.0798	-0.0053	-0.0002	0.0744
524	10.6	10.1	4.7519	2.7914	0.0928	7.6361	0.086	-0.0067	0.0017	0.081
525	10.5	10.1	4.7532	2.7912	0.0928	7.6372	0.0854	-0.0028	0.0073	0.0899
526	10	10.2	4.7543	2.7908	0.0926	7.6378	0.0888	0.004	0.0132	0.106
527	9.73	10.2	4.7548	2.7913	0.0923	7.6384	0.0983	0.0038	0.0103	0.1124
528	10.1	10.2	4.7537	2.791	0.092	7.6367	0.1021	0.009	0.0073	0.1183
529	10	10.3	4.7518	2.7907	0.0917	7.6342	0.1054	0.0161	0.0057	0.1272
530	10.5	10.2	4.7504	2.7902	0.0917	7.6323	0.1097	0.0209	0.0038	0.1343
531	10.6	10.2	4.7504	2.7895	0.0919	7.6317	0.1187	0.0293	-0.0001	0.1478
532	10.5	10.2	4.7506	2.7889	0.092	7.6316	0.1337	0.0325	-0.0069	0.1593
533	9.91	10.1	4.7511	2.7884	0.0919	7.6314	0.1353	0.0323	-0.0104	0.1572
534	10.3	10	4.7513	2.7881	0.0919	7.6314	0.1214	0.0306	-0.0097	0.1423
535	10.2	9.94	4.7515	2.7881	0.0919	7.6316	0.1113	0.0279	-0.0069	0.1323
536	10.2	9.89	4.7524	2.7879	0.092	7.6323	0.1046	0.0184	-0.0063	0.1166
537	10.4	9.86	4.753	2.7878	0.092	7.6328	0.0849	0.0111	-0.0061	0.0899
538	10.4	9.81	4.7527	2.7876	0.0922	7.6325	0.0785	0.0035	-0.0053	0.0767
539	9.9	9.79	4.7521	2.7877	0.0924	7.6321	0.0729	-0.0066	-0.0073	0.059
540	9.66	9.71	4.752	2.7877	0.0925	7.6322	0.0606	-0.0072	-0.0035	0.0499
541	9.29	9.63	4.7522	2.7878	0.0926	7.6326	0.063	0.0012	0.0035	0.0677
542	9.16	9.55	4.7531	2.7875	0.0928	7.6334	0.0673	0.0188	0.003	0.0891
543	9.22	9.52	4.7539	2.7872	0.0927	7.6338	0.0629	0.0212	-0.0011	0.083
544	8.65	9.49	4.7545	2.7877	0.0928	7.6351	0.0671	0.0173	-0.0008	0.0835
545	9.17	9.46	4.7557	2.7877	0.0929	7.6363	0.0708	0.0144	0.0016	0.0867
546	9.13	9.44	4.7569	2.7874	0.0929	7.6372	0.0783	0.0109	0.0078	0.097

547	9.28	9.37	4.758	2.7875	0.0927	7.6382	0.0852	0.0108	0.011	0.107
548	9.61	9.3	4.7578	2.7877	0.0928	7.6382	0.0842	0.0153	0.0099	0.1094
549	8.92	9.26	4.7577	2.7876	0.0929	7.6381	0.0864	0.0132	0.0093	0.1089
550	9.09	9.24	4.7577	2.7874	0.0928	7.6379	0.0931	0.0069	0.0095	0.1095
551	9	9.27	4.7577	2.7875	0.0926	7.6377	0.1019	0.0101	0.0067	0.1187
552	9.35	9.3	4.7577	2.7878	0.0924	7.638	0.1072	0.0119	0.0082	0.1272
553	9.59	9.33	4.7571	2.7883	0.0924	7.6378	0.1123	0.013	0.0101	0.1354
554	9.67	9.39	4.7571	2.7885	0.0924	7.638	0.1104	0.0173	0.0107	0.1384
555	9.82	9.46	4.7554	2.7888	0.0921	7.6363	0.108	0.0232	0.0109	0.1421
556	9.22	9.54	4.7536	2.7893	0.0919	7.6348	0.0976	0.0277	0.0122	0.1375
557	8.96	9.57	4.7519	2.7901	0.092	7.634	0.0914	0.0273	0.013	0.1317
558	9.09	9.59	4.7512	2.7908	0.0919	7.6339	0.091	0.0281	0.0119	0.131
559	9.38	9.65	4.7499	2.7907	0.0918	7.6325	0.0811	0.0369	0.0108	0.1288
560	9.86	9.73	4.7496	2.7906	0.0917	7.6319	0.0739	0.045	0.0106	0.1295
561	9.76	9.81	4.749	2.7906	0.0919	7.6314	0.0784	0.0428	0.0082	0.1294
562	9.63	9.84	4.7485	2.7907	0.092	7.6312	0.0856	0.0439	0.0106	0.14
563	9.92	9.85	4.7485	2.7907	0.0921	7.6313	0.0787	0.0397	0.0112	0.1296
564	10.4	9.85	4.7478	2.7902	0.0922	7.6302	0.0747	0.0353	0.0084	0.1184
565	10.7	9.85	4.7475	2.7902	0.092	7.6297	0.0782	0.0327	0.0051	0.1159
566	9.82	9.89	4.7471	2.7894	0.0923	7.6288	0.0832	0.0288	0.0038	0.1158
567	9.99	9.91	4.7482	2.7891	0.0926	7.6298	0.0819	0.0232	0.0005	0.1056
568	10.1	9.91	4.7485	2.7887	0.0923	7.6295	0.0758	0.017	0.0004	0.0932
569	10.6	9.89	4.7493	2.7886	0.092	7.6299	0.0725	0.0157	0.0036	0.0919
570	10.6	9.87	4.7501	2.7886	0.0919	7.6306	0.0695	0.0138	0.0075	0.0908
571	9.96	9.84	4.7502	2.7885	0.0919	7.6306	0.0644	0.013	0.0114	0.0888
572	9.75	9.85	4.749	2.7883	0.092	7.6293	0.0769	0.0185	0.0116	0.107
573	9.67	9.85	4.7485	2.7882	0.0921	7.6288	0.0762	0.0266	0.0086	0.1113
574	9.81	9.8	4.7487	2.7877	0.0922	7.6286	0.0716	0.0284	0.0066	0.1066
575	9.89	9.74	4.7485	2.7875	0.0919	7.6279	0.075	0.0313	0.007	0.1132
576	9.42	9.74	4.7478	2.7876	0.092	7.6273	0.0884	0.0299	0.007	0.1254
577	9.19	9.73	4.7477	2.7875	0.092	7.6272	0.0969	0.0259	0.0058	0.1286
578	8.85	9.7	4.7476	2.7879	0.092	7.6276	0.0996	0.028	0.0026	0.1303
579	9.56	9.66	4.7473	2.788	0.0922	7.6275	0.0902	0.0266	-0.0011	0.1157
580	9.15	9.62	4.747	2.7879	0.0925	7.6274	0.0614	0.0269	-0.0048	0.0835
581	9.83	9.61	4.7464	2.7879	0.093	7.6273	0.0438	0.0199	-0.0048	0.0589
582	9.92	9.61	4.7465	2.7885	0.0931	7.628	0.0464	0.0163	-0.0043	0.0583
583	9.37	9.61	4.7477	2.7889	0.0929	7.6295	0.0562	0.0135	-0.003	0.0667

584	9.54	9.59	4.7479	2.789	0.0926	7.6294	0.0623	0.0122	-0.0036	0.071
585	9.87	9.56	4.7472	2.7892	0.0924	7.6287	0.0625	0.0172	-0.0003	0.0793
586	9.8	9.57	4.7473	2.7889	0.0923	7.6284	0.071	0.0186	0.0027	0.0923
587	9.49	9.61	4.7471	2.7887	0.0922	7.628	0.0857	0.0183	0.0033	0.1074
588	9.89	9.68	4.747	2.7886	0.0924	7.628	0.0898	0.019	0.0011	0.1099
589	9.92	9.68	4.7478	2.7882	0.0924	7.6285	0.0894	0.0161	-0.0011	0.1044
590	9.7	9.75	4.748	2.7878	0.0921	7.6278	0.0864	0.0129	0.0004	0.0997
591	9.76	9.78	4.7477	2.7874	0.092	7.6271	0.086	0.012	0.0004	0.0984
592	9.71	9.8	4.7482	2.7877	0.0923	7.6281	0.0871	0.0087	0.0027	0.0985
593	9.28	9.87	4.7483	2.7879	0.0921	7.6283	0.0935	0.0048	0.0087	0.107
594	9.44	9.89	4.7481	2.7883	0.0919	7.6283	0.0896	-0.0053	0.0131	0.0974
595	9.61	9.9	4.7474	2.7883	0.0918	7.6275	0.088	-0.0032	0.014	0.0989
596	9.99	9.9	4.7465	2.7881	0.0918	7.6264	0.0961	-0.0061	0.014	0.104
597	10	9.91	4.7462	2.7879	0.0919	7.626	0.1126	-0.0094	0.0131	0.1164
598	9.67	9.88	4.7455	2.7881	0.0919	7.6255	0.1277	-0.0049	0.0129	0.1357
599	10.5	9.88	4.7454	2.7884	0.0919	7.6257	0.1288	0.0036	0.015	0.1474
600	10.3	9.89	4.7453	2.7883	0.0921	7.6256	0.1297	0.0088	0.0133	0.1518
601	10.4	9.9	4.7449	2.7882	0.092	7.625	0.1308	0.0096	0.0104	0.1508
602	10.6	9.91	4.7444	2.788	0.092	7.6244	0.1323	0.0134	0.0076	0.1533
603	9.91	9.89	4.7441	2.7879	0.0922	7.6242	0.1374	0.0182	0.0062	0.1618
604	10.1	9.89	4.7439	2.7878	0.0923	7.624	0.1367	0.0166	0.0079	0.1613
605	9.79	9.91	4.7441	2.7879	0.0922	7.6242	0.1388	0.0219	0.0038	0.1646
606	9.61	9.88	4.7448	2.788	0.0921	7.6248	0.1197	0.0238	-0.0022	0.1413
607	9.43	9.85	4.7458	2.7877	0.0921	7.6256	0.0961	0.0257	-0.0051	0.1167
608	9.86	9.84	4.7473	2.7868	0.0921	7.6262	0.0726	0.0286	-0.0051	0.0961
609	9.95	9.76	4.7481	2.7862	0.092	7.6263	0.0565	0.0345	-0.0047	0.0862
610	9.85	9.69	4.7479	2.7868	0.0923	7.627	0.0408	0.0358	-0.0042	0.0724
611	9.95	9.6	4.7473	2.7868	0.0923	7.6264	0.0389	0.0331	-0.0049	0.0671
612	8.9	9.51	4.7479	2.7871	0.0922	7.6272	0.0371	0.0329	-0.0015	0.0685
613	9.4	9.46	4.7478	2.7876	0.0923	7.6277	0.0302	0.0366	0	0.0668
614	9.94	9.4	4.7477	2.7878	0.0924	7.628	0.026	0.0442	0.0016	0.0719
615	9.59	9.34	4.7472	2.7882	0.0927	7.6281	0.0214	0.0371	0.0077	0.0661
616	9.37	9.31	4.7464	2.7888	0.093	7.6281	0.0154	0.039	0.009	0.0634
617	9.56	9.29	4.7456	2.789	0.0929	7.6275	0.0166	0.0336	0.0102	0.0605
618	8.87	9.23	4.7452	2.7889	0.0926	7.6268	0.0367	0.0399	0.013	0.0895
619	8.94	9.18	4.7455	2.7889	0.0923	7.6267	0.0454	0.037	0.0087	0.0912
620	8.81	9.18	4.7456	2.7889	0.092	7.6265	0.0636	0.0319	0.0055	0.1011

621	8.85	9.15	4.7443	2.7884	0.0921	7.6248	0.081	0.0308	0.0015	0.1133
622	8.86	9.19	4.744	2.7878	0.0922	7.6241	0.0869	0.0299	-0.0009	0.1159
623	9.07	9.18	4.7444	2.7881	0.0922	7.6247	0.0705	0.027	0.0011	0.0986
624	8.66	9.13	4.7444	2.7883	0.0921	7.6247	0.063	0.0214	0.009	0.0934
625	8.96	9.1	4.7444	2.7882	0.0921	7.6247	0.0674	0.0117	0.0155	0.0947
626	9.09	9.07	4.7446	2.7882	0.0921	7.6249	0.0723	0.0121	0.0107	0.0951
627	8.76	9.05	4.7448	2.7885	0.0921	7.6253	0.0668	0.0095	0.0109	0.0872
628	8.9	9.06	4.7447	2.7883	0.0921	7.6251	0.07	0.0038	0.0115	0.0853
629	9.87	9.06	4.7457	2.788	0.0922	7.6259	0.076	0.0069	0.0153	0.0982
630	9.39	9.07	4.746	2.7882	0.0922	7.6264	0.0761	0.0112	0.0209	0.1082
631	9.7	9.1	4.7457	2.7878	0.0923	7.6258	0.074	0.015	0.0244	0.1134
632	9.14	9.13	4.745	2.7876	0.0923	7.6249	0.0701	0.0237	0.0292	0.123
633	9	9.15	4.7448	2.7872	0.0923	7.6243	0.0741	0.0361	0.0306	0.1408
634	9.01	9.18	4.7451	2.7864	0.0919	7.6234	0.0893	0.0511	0.0273	0.1677
635	8.9	9.16	4.7444	2.7862	0.0917	7.6224	0.0915	0.0566	0.0231	0.1712
636	9.07	9.17	4.7439	2.7861	0.0916	7.6216	0.0845	0.0595	0.0185	0.1625
637	9.17	9.21	4.744	2.7859	0.0919	7.6218	0.0826	0.0625	0.0141	0.1593
638	8.97	9.28	4.7438	2.786	0.0923	7.6221	0.0801	0.0556	0.0128	0.1485
639	9.01	9.3	4.7434	2.7864	0.0923	7.6222	0.079	0.0589	0.0115	0.1494
640	9.38	9.34	4.7434	2.7865	0.0925	7.6224	0.0846	0.0496	0.0089	0.1431
641	9.38	9.35	4.7435	2.7869	0.0923	7.6227	0.0828	0.042	0.0043	0.129
642	9.47	9.39	4.7438	2.787	0.0919	7.6227	0.0757	0.0357	0.0058	0.1172
643	9.22	9.43	4.7449	2.7877	0.0914	7.624	0.0763	0.0348	0.008	0.1191
644	8.53	9.49	4.7457	2.788	0.0914	7.6252	0.0764	0.0328	0.0041	0.1133
645	9.42	9.56	4.746	2.7883	0.0915	7.6259	0.0763	0.0299	0.0007	0.1069
646	9.54	9.62	4.7457	2.7883	0.0916	7.6256	0.068	0.028	-0.004	0.092
647	10.1	9.65	4.7452	2.788	0.0914	7.6246	0.0594	0.0247	-0.0059	0.0782
648	10.3	9.67	4.7449	2.7873	0.0913	7.6235	0.0357	0.0133	-0.0041	0.0449
649	10.1	9.68	4.7447	2.7867	0.0915	7.6229	0.0191	0.0099	-0.0007	0.0283
650	9.89	9.65	4.7446	2.7865	0.0917	7.6228	0.0166	0.0128	0.0034	0.0328
651	9.88	9.61	4.7444	2.7862	0.0918	7.6224	0.0186	0.0104	0.0069	0.0358
652	9.77	9.55	4.744	2.786	0.0918	7.6218	0.0133	0.0087	0.0063	0.0284
653	10.2	9.5	4.7434	2.7867	0.0916	7.6217	0.0019	0.012	0.0077	0.0216
654	10.3	9.5	4.7432	2.7863	0.092	7.6215	-0.0045	0.0132	0.0084	0.0171
655	10.2	9.46	4.7435	2.7864	0.0923	7.6222	-0.0061	0.0155	0.0074	0.0168
656	9.67	9.42	4.744	2.7867	0.0924	7.6231	-0.0083	0.023	0.0012	0.0158
657	9.44	9.4	4.7447	2.7873	0.0925	7.6244	-0.0055	0.0264	-0.0035	0.0174

658	9.08	9.37	4.7456	2.7873	0.0924	7.6253	0.0029	0.0222	-0.004	0.0211
659	8.91	9.33	4.7458	2.7872	0.0923	7.6253	0.0206	0.0078	-0.004	0.0244
660	8.69	9.32	4.7457	2.7872	0.0922	7.6252	0.0317	-0.0017	-0.002	0.028
661	8.21	9.33	4.7453	2.7873	0.0921	7.6246	0.0283	0.0024	0.004	0.0347
662	8.38	9.32	4.7455	2.7871	0.092	7.6246	0.0283	-0.003	0.0037	0.029
663	8.53	9.27	4.7459	2.7863	0.0919	7.6242	0.0376	-0.003	0.0017	0.0363
664	8.65	9.2	4.7457	2.7865	0.0914	7.6236	0.0416	-0.0037	0.0017	0.0396
665	8.75	9.18	4.746	2.7863	0.0911	7.6234	0.0394	-0.0055	0.0047	0.0386
666	9.74	9.18	4.7455	2.786	0.0913	7.6228	0.0373	-0.0041	0.0116	0.0448
667	9.74	9.19	4.7445	2.7851	0.0913	7.6209	0.0336	0.0026	0.0172	0.0534
668	9.33	9.23	4.7439	2.785	0.0915	7.6204	0.0352	0.0094	0.016	0.0606
669	9.74	9.25	4.743	2.7854	0.0915	7.6198	0.0363	0.0116	0.0127	0.0605
670	9.93	9.29	4.742	2.7855	0.0917	7.6193	0.0454	0.0172	0.0095	0.0722
671	9.59	9.37	4.7415	2.7855	0.092	7.619	0.0615	0.0238	0.0072	0.0925
672	9.19	9.43	4.7419	2.7856	0.0919	7.6195	0.0521	0.022	0.01	0.0841
673	9.07	9.48	4.7422	2.786	0.0912	7.6195	0.0527	0.0195	0.0104	0.0826
674	9.75	9.51	4.7419	2.7865	0.0907	7.6191	0.0585	0.0239	0.0135	0.0959
675	9.77	9.54	4.7413	2.7863	0.0908	7.6184	0.0591	0.027	0.0144	0.1005
676	9.55	9.54	4.7411	2.7866	0.0909	7.6186	0.0574	0.0323	0.013	0.1026
677	9.82	9.51	4.7407	2.7871	0.0909	7.6187	0.0585	0.041	0.0105	0.11
678	9.37	9.48	4.74	2.7872	0.0905	7.6178	0.056	0.0461	0.008	0.1101
679	9.4	9.46	4.7397	2.7869	0.0901	7.6167	0.0439	0.0463	0.0087	0.0989
680	9.7	9.4	4.7396	2.7864	0.09	7.616	0.0481	0.0458	0.0098	0.1036
681	9.5	9.37	4.7393	2.7856	0.0901	7.615	0.0493	0.0494	0.01	0.1087
682	9.44	9.35	4.739	2.7848	0.09	7.6139	0.0415	0.0416	0.01	0.0932
683	9.28	9.33	4.7388	2.7838	0.0901	7.6127	0.029	0.0368	0.011	0.0767
684	9.38	9.27	4.7387	2.7833	0.0903	7.6123	0.0279	0.0267	0.0098	0.0644
685	9.69	9.19	4.7387	2.7832	0.0906	7.6125	0.0342	0.0234	0.0072	0.0648
686	9.28	9.11	4.739	2.7826	0.0909	7.6125	0.029	0.0201	0.0034	0.0525
687	8.71	9.05	4.7391	2.7831	0.0909	7.6132	0.0263	0.0168	-0.0003	0.0428
688	9.34	9.02	4.7391	2.7827	0.0913	7.6131	0.03	0.0131	-0.004	0.0391
689	8.8	8.92	4.7394	2.7832	0.0916	7.6141	0.0254	0.0122	-0.0023	0.0353
690	9.07	8.84	4.7397	2.7836	0.0916	7.6149	0.0187	0.0091	-0.0004	0.0275
691	8.69	8.75	4.7401	2.7838	0.0915	7.6154	0.0127	0.007	0.0022	0.0219
692	8.7	8.69	4.7406	2.7842	0.0915	7.6162	-0.0013	0.0047	0.0005	0.0039
693	8.66	8.66	4.7407	2.7846	0.0917	7.617	0.0016	-0.0024	-0.0001	-0.0009
694	8.15	8.64	4.7405	2.7853	0.0919	7.6176	0.0162	0.0001	-0.005	0.0113

695	8.13	8.59	4.7406	2.7855	0.0922	7.6183	0.0186	0.0011	-0.0047	0.0149
696	8.63	8.58	4.7406	2.7856	0.0924	7.6186	0.0241	0.0012	-0.0018	0.0235
697	8.74	8.6	4.7427	2.7866	0.0923	7.6215	0.0264	0.0016	-0.0013	0.0267
698	7.63	8.61	4.7436	2.7871	0.092	7.6227	0.0329	0.0004	-0.0036	0.0297
699	8.14	8.69	4.7437	2.7871	0.0916	7.6224	0.0364	-0.0036	-0.0037	0.0292
700	7.88	8.74	4.7434	2.7872	0.0914	7.622	0.038	-0.005	0.0013	0.0343
701	8.15	8.83	4.7435	2.7873	0.0914	7.6222	0.0468	-0.0044	0.0056	0.0481
702	8.81	8.9	4.7442	2.7868	0.0913	7.6222	0.0558	-0.0081	0.0077	0.0555
703	8.99	8.97	4.7446	2.7865	0.0913	7.6224	0.0594	-0.0066	0.0072	0.0599
704	8.63	9.06	4.7446	2.7863	0.0916	7.6224	0.0516	0.0061	0.0024	0.0601
705	9.19	9.15	4.7449	2.7856	0.0921	7.6226	0.0472	0.0099	0.0091	0.0662
706	9.08	9.21	4.7453	2.7853	0.0924	7.6231	0.0498	0.0118	0.0112	0.0728
707	9.6	9.26	4.7455	2.7855	0.0925	7.6235	0.0566	0.0201	0.0132	0.0899
708	10.2	9.36	4.7452	2.786	0.0925	7.6238	0.0663	0.0246	0.0137	0.1046
709	10.1	9.41	4.7449	2.7864	0.0922	7.6235	0.0769	0.0239	0.011	0.1118
710	10.3	9.5	4.745	2.7866	0.0919	7.6235	0.0814	0.025	0.0098	0.1162
711	10.2	9.58	4.7445	2.7871	0.0919	7.6235	0.0787	0.0269	0.0103	0.116
712	10	9.65	4.7441	2.7874	0.0921	7.6235	0.0713	0.0308	0.0064	0.1085
713	9.84	9.69	4.7437	2.7879	0.0922	7.6238	0.0701	0.0321	0.0057	0.1079
714	9.79	9.75	4.7438	2.7883	0.092	7.6241	0.075	0.0273	0.0051	0.1075
715	9.67	9.8	4.7435	2.7886	0.0915	7.6236	0.0791	0.0256	0.0019	0.1066
716	9.84	9.87	4.743	2.7885	0.0912	7.6228	0.0856	0.0201	-0.0028	0.1029
717	9.39	9.9	4.7421	2.7881	0.0913	7.6214	0.0765	0.0131	-0.0001	0.0894
718	9.25	9.88	4.7416	2.7877	0.0914	7.6207	0.064	-0.0016	0.0025	0.0649
719	9.43	9.85	4.7409	2.7872	0.0914	7.6195	0.0617	0.0017	0.008	0.0714
720	9.82	9.81	4.7394	2.7865	0.0913	7.6173	0.0538	0.0027	0.0062	0.0627
721	10	9.76	4.7391	2.7862	0.0911	7.6164	0.0436	0.0096	0.0087	0.0619
722	9.9	9.72	4.7388	2.7859	0.0912	7.6158	0.0324	0.0171	0.0095	0.0589
723	9.62	9.68	4.7386	2.7858	0.0908	7.6151	0.0297	0.016	0.0051	0.0508
724	10.2	9.67	4.7385	2.7856	0.0907	7.6147	0.0316	0.0142	-0.0033	0.0425
725	10.5	9.62	4.7386	2.785	0.0908	7.6144	0.0267	0.0168	-0.0128	0.0307
726	10.1	9.58	4.7388	2.7841	0.091	7.6139	0.0191	0.0194	-0.0184	0.0201
727	9.74	9.55	4.7392	2.7839	0.0913	7.6143	0.0168	0.0227	-0.0207	0.0188
728	9.68	9.51	4.7403	2.7837	0.0912	7.6152	0.0092	0.0132	-0.0206	0.0019
729	9.43	9.46	4.7409	2.7835	0.0912	7.6155	0.0036	0.0152	-0.021	-0.0022
730	9.21	9.4	4.7411	2.7832	0.0912	7.6155	0.0048	0.0121	-0.0248	-0.0079
731	9.33	9.34	4.7416	2.7837	0.0913	7.6165	0.004	0.0025	-0.0261	-0.0196

732	9.07	9.28	4.7421	2.7839	0.0912	7.6172	-0.005	-0.0067	-0.0237	-0.0354
733	9.52	9.25	4.7421	2.7845	0.0913	7.6179	-0.012	-0.0157	-0.0229	-0.0506
734	8.83	9.2	4.7417	2.784	0.0912	7.6169	-0.0128	-0.0293	-0.0201	-0.0621
735	9.02	9.13	4.7415	2.7842	0.0913	7.6171	-0.0106	-0.0384	-0.0165	-0.0655
736	8.87	9.11	4.7412	2.7844	0.0917	7.6173	-0.0097	-0.0393	-0.0129	-0.062
737	8.53	9.1	4.741	2.7846	0.0923	7.6179	-0.0031	-0.0462	-0.0093	-0.0586
738	8.46	9.09	4.7412	2.7848	0.0925	7.6185	-0.0002	-0.0415	-0.0079	-0.0496
739	8.66	9.09	4.7416	2.7855	0.0924	7.6194	0.0022	-0.0416	-0.0063	-0.0457
740	8.85	9.12	4.7421	2.7858	0.0922	7.6202	0.0058	-0.0359	-0.0034	-0.0335
741	8.71	9.15	4.7436	2.7865	0.0923	7.6224	0.0078	-0.0344	-0.0039	-0.0306
742	9.12	9.22	4.7436	2.7872	0.0919	7.6228	0.0124	-0.0267	-0.0075	-0.0217
743	9.28	9.27	4.7433	2.7877	0.0919	7.6229	0.0181	-0.0217	-0.0075	-0.0111
744	9.07	9.36	4.7439	2.7879	0.0919	7.6237	0.0206	-0.0174	-0.0051	-0.0019
745	9.74	9.39	4.7436	2.7882	0.0917	7.6235	0.0197	-0.0083	-0.0024	0.009
746	9.44	9.46	4.743	2.7882	0.0917	7.6229	0.0216	-0.0039	0.0023	0.02
747	9.55	9.53	4.7419	2.788	0.0917	7.6216	0.0232	-0.0017	0.0027	0.0242
748	9.39	9.6	4.7413	2.7877	0.0917	7.6206	0.0418	0.0092	0.0024	0.0534
749	9.89	9.67	4.7409	2.7872	0.0914	7.6195	0.0463	0.0158	0.0012	0.0633
750	9.86	9.7	4.7399	2.7869	0.0912	7.618	0.0394	0.0179	-0.0023	0.055
751	10.5	9.71	4.7389	2.787	0.091	7.6169	0.036	0.0175	-0.0059	0.0476
752	10.3	9.71	4.738	2.7867	0.0911	7.6158	0.0395	0.0169	-0.0083	0.048
753	10.6	9.7	4.7383	2.7861	0.0914	7.6157	0.0458	0.0145	-0.0104	0.0498
754	9.63	9.68	4.7385	2.7853	0.0911	7.6149	0.05	0.014	-0.0089	0.0551
755	10.1	9.62	4.7385	2.7853	0.0912	7.6149	0.051	0.0098	-0.0035	0.0573
756	9.78	9.6	4.7383	2.7847	0.0911	7.6141	0.051	0.0032	0.0029	0.057
757	9.88	9.56	4.738	2.7848	0.0911	7.614	0.0536	-0.0003	0.006	0.0593
758	9.95	9.55	4.7379	2.785	0.0913	7.6141	0.055	-0.0011	0.0076	0.0615
759	9.38	9.5	4.7377	2.7847	0.0913	7.6136	0.0477	0.0018	0.0086	0.0582
760	8.99	9.46	4.7378	2.7845	0.0912	7.6136	0.0467	0.0035	0.006	0.0563
761	9.12	9.38	4.7381	2.7842	0.0914	7.6137	0.0527	-0.0004	0.0038	0.0562
762	9	9.3	4.7385	2.7839	0.0914	7.6138	0.0468	0.0033	0.0051	0.0551
763	8.74	9.2	4.7384	2.7836	0.0914	7.6134	0.0513	0.0036	0.0075	0.0624
764	8.58	9.16	4.7378	2.7839	0.0912	7.613	0.0573	0.0109	0.0086	0.0768
765	9.16	9.07	4.7374	2.7843	0.0914	7.6131	0.0674	0.0213	0.0062	0.0949
766	8.81	9.05	4.7378	2.7847	0.0913	7.6138	0.0713	0.0298	0.0043	0.1055
767	9.08	8.99	4.7381	2.7852	0.091	7.6144	0.0661	0.0322	0.0007	0.099
768	8.98	8.93	4.7378	2.7849	0.0907	7.6133	0.0515	0.0325	-0.0012	0.0829

769	9.02	8.89	4.7376	2.7851	0.0909	7.6136	0.0422	0.036	-0.0022	0.0759
770	9.03	8.87	4.7377	2.7846	0.0908	7.6131	0.0266	0.0316	-0.0048	0.0534
771	8.79	8.85	4.7383	2.7838	0.091	7.6131	0.0084	0.0207	-0.0084	0.0208
772	8.83	8.84	4.739	2.784	0.0914	7.6144	0.0033	0.012	-0.0094	0.0059
773	8.79	8.85	4.739	2.7846	0.0916	7.6152	-0.0072	0.0105	-0.0101	-0.0069
774	8.46	8.87	4.7393	2.7849	0.0919	7.6161	-0.0105	0.0076	-0.0137	-0.0166
775	9.29	8.86	4.7394	2.7844	0.0926	7.6164	-0.0133	0.0005	-0.0163	-0.0292
776	8.81	8.87	4.7394	2.7844	0.093	7.6167	-0.0098	-0.0114	-0.0137	-0.0349
777	8.81	8.88	4.7398	2.7858	0.0929	7.6185	-0.0029	-0.0207	-0.0096	-0.0332
778	8.62	8.86	4.7397	2.7857	0.0926	7.618	0.0024	-0.0255	-0.0051	-0.0282
779	8.53	8.87	4.7392	2.7856	0.0926	7.6174	0.0075	-0.0303	-0.0041	-0.0268
780	8.9	8.89	4.7392	2.7861	0.0927	7.618	0.012	-0.0329	-0.0026	-0.0235
781	8.81	8.94	4.7398	2.7862	0.0925	7.6185	0.0182	-0.0352	-0.0025	-0.0195
782	8.82	9.01	4.7402	2.7864	0.0923	7.619	0.0231	-0.0313	-0.0027	-0.0109
783	8.97	9.06	4.74	2.7867	0.0922	7.6189	0.0273	-0.0261	-0.004	-0.0028
784	9.04	9.14	4.7398	2.7872	0.0919	7.6189	0.0303	-0.0141	-0.0024	0.0138
785	8.99	9.17	4.7397	2.7871	0.0919	7.6187	0.0278	-0.01	-0.0028	0.015
786	9.18	9.25	4.7393	2.7872	0.0918	7.6184	0.0264	-0.0049	-0.0017	0.0198
787	8.65	9.31	4.7391	2.7873	0.0917	7.6181	0.0285	-0.0053	0.0007	0.0239
788	9.18	9.38	4.7389	2.7868	0.0919	7.6176	0.0288	-0.0059	0.009	0.0319
789	9.42	9.43	4.7388	2.7868	0.0919	7.6175	0.0338	-0.0025	0.0117	0.0429
790	9.71	9.43	4.7389	2.7871	0.092	7.618	0.0411	0.0079	0.0094	0.0584
791	10.2	9.46	4.7389	2.7865	0.0922	7.6176	0.05	0.0214	0.0096	0.081
792	9.73	9.48	4.7387	2.7864	0.0922	7.6173	0.0652	0.0392	0.0067	0.111
793	9.91	9.49	4.7386	2.7864	0.0922	7.6172	0.0597	0.0525	-0.0012	0.111
794	10	9.48	4.7385	2.7861	0.0921	7.6167	0.0464	0.0565	-0.0042	0.0987
795	10.3	9.5	4.7384	2.7859	0.092	7.6163	0.042	0.0552	-0.0058	0.0914
796	10	9.5	4.7383	2.7858	0.0921	7.6162	0.035	0.0524	-0.0072	0.0801
797	9.93	9.51	4.7385	2.7857	0.0921	7.6162	0.031	0.0473	-0.0087	0.0695
798	9.49	9.5	4.739	2.7855	0.0918	7.6164	0.0262	0.0436	-0.0096	0.0602
799	8.93	9.48	4.7398	2.7853	0.0918	7.6169	0.0225	0.0373	-0.0104	0.0495
800	9.39	9.46	4.7398	2.7855	0.092	7.6173	0.0178	0.027	-0.0146	0.0302
801	9.11	9.41	4.7396	2.7856	0.0922	7.6174	0.0082	0.0156	-0.0206	0.0032
802	9.13	9.43	4.7396	2.7854	0.0923	7.6173	-0.0034	0.0132	-0.0235	-0.0136
803	8.87	9.39	4.7396	2.7851	0.0922	7.6169	-0.0162	0.0039	-0.0222	-0.0344
804	9.47	9.34	4.7395	2.7853	0.0919	7.6166	-0.02	-0.0052	-0.0193	-0.0446
805	9.01	9.29	4.7398	2.7853	0.0918	7.6169	-0.022	-0.0131	-0.0224	-0.0576

806	8.91	9.28	4.74	2.7854	0.0919	7.6172	-0.0232	-0.0181	-0.0226	-0.0638
807	8.98	9.26	4.74	2.7856	0.0917	7.6173	-0.0218	-0.0262	-0.0234	-0.0714
808	9.08	9.27	4.7405	2.7859	0.0916	7.618	-0.0218	-0.0317	-0.022	-0.0755
809	9.21	9.31	4.7402	2.786	0.0916	7.6179	-0.0178	-0.0308	-0.0163	-0.0649
810	9.38	9.32	4.7398	2.7866	0.0915	7.6179	-0.0206	-0.0317	-0.0091	-0.0613
811	10	9.33	4.7398	2.7868	0.0914	7.618	-0.0199	-0.0345	-0.005	-0.0594
812	9.15	9.36	4.739	2.787	0.0913	7.6173	-0.0095	-0.0398	0.0022	-0.047
813	9.17	9.42	4.7379	2.7869	0.0913	7.6161	0.0002	-0.0367	0.0022	-0.0343
814	9.33	9.43	4.7371	2.7862	0.0913	7.6146	0.0052	-0.0326	0.0012	-0.0262
815	9.68	9.44	4.7363	2.7856	0.0911	7.6131	0.008	-0.0184	0.0003	-0.0101
816	9.67	9.42	4.7364	2.7853	0.0912	7.6129	0.0066	-0.0056	0.0015	0.0025
817	9.6	9.42	4.7369	2.7848	0.0914	7.6131	0.0111	0.0077	-0.0021	0.0168
818	9.82	9.39	4.7374	2.7841	0.0916	7.6132	0.0133	0.0188	-0.0073	0.0248
819	9.5	9.37	4.7382	2.784	0.0919	7.6141	0.0092	0.0177	-0.01	0.0169
820	9.35	9.31	4.7386	2.7844	0.0921	7.6152	0.0142	0.0184	-0.0065	0.0261
821	9.71	9.23	4.7388	2.785	0.092	7.6158	0.0194	0.0119	-0.004	0.0273
822	9.94	9.21	4.7395	2.7848	0.0922	7.6165	0.0164	0.0035	0.0032	0.0231
823	9.74	9.17	4.7396	2.785	0.0922	7.6168	0.0188	0.0045	0.0078	0.0311
824	9.21	9.15	4.7398	2.7855	0.0923	7.6176	0.0218	0.0142	0.0113	0.0474
825	8.53	9.14	4.7396	2.7861	0.0922	7.6179	0.0269	0.0253	0.0125	0.0646
826	8.93	9.1	4.739	2.7862	0.092	7.6172	0.0312	0.0236	0.0147	0.0696
827	8.55	9.11	4.739	2.7864	0.0918	7.6172	0.034	0.0249	0.0139	0.0727
828	8.69	9.07	4.7396	2.7867	0.0916	7.6179	0.0382	0.0366	0.0106	0.0854
829	8.37	9.05	4.7397	2.7868	0.0915	7.6179	0.0444	0.0293	0.0054	0.0792
830	8.48	9.06	4.7393	2.7867	0.0914	7.6174	0.0452	0.0215	0.0031	0.0698
831	8.61	9.03	4.7393	2.7868	0.0916	7.6176	0.0464	0.0242	0.0026	0.0732
832	8.58	8.97	4.7394	2.7865	0.0916	7.6175	0.0448	0.0194	0.0041	0.0683
833	8.91	8.94	4.739	2.7859	0.0915	7.6165	0.0175	0.0117	0.0033	0.0325
834	9.49	8.92	4.7389	2.785	0.0915	7.6154	0.002	0.0144	0.0037	0.0201
835	8.88	8.94	4.7389	2.7847	0.0915	7.6151	-0.008	0.0203	0.0056	0.0179
836	9.76	8.94	4.7384	2.7849	0.0916	7.6149	0.0065	0.0158	0.0068	0.0292
837	8.98	8.96	4.7382	2.7852	0.0914	7.6147	0.0223	0.0154	0.0088	0.0464
838	9.2	8.98	4.7378	2.7851	0.0913	7.6142	0.0306	0.0218	0.0116	0.064
839	9.48	9.01	4.7375	2.7847	0.0914	7.6136	0.0316	0.0283	0.0138	0.0737
840	9.17	9.04	4.7371	2.7837	0.0913	7.6121	0.0347	0.039	0.0123	0.086
841	8.93	9.05	4.7371	2.7825	0.0916	7.6113	0.0397	0.0492	0.0095	0.0984
842	9.08	9.05	4.7377	2.782	0.0921	7.6117	0.0401	0.0449	0.007	0.092

843	8.92	9.04	4.7387	2.782	0.0923	7.613	0.036	0.0352	0.0018	0.073
844	8.79	8.99	4.7397	2.7824	0.0925	7.6146	0.0377	0.0252	-0.0009	0.0621
845	8.9	8.96	4.7401	2.783	0.0924	7.6155	0.0241	0.016	0.0002	0.0403
846	8.98	8.9	4.7399	2.7834	0.0926	7.616	0.0198	0.0128	0.0042	0.0368
847	9.11	8.89	4.7393	2.7836	0.0927	7.6156	0.0178	0.0094	0.0066	0.0338
848	9	8.85	4.739	2.7839	0.0927	7.6156	0.0249	0.0028	0.0042	0.0318
849	8.91	8.8	4.7391	2.7845	0.0929	7.6165	0.0364	0.0003	0.0045	0.0412
850	8.88	8.78	4.7391	2.7853	0.0932	7.6177	0.0551	-0.0002	0.0064	0.0614
851	8.51	8.8	4.7392	2.7856	0.0934	7.6182	0.0635	0.0019	0.0099	0.0754
852	8.78	8.82	4.7396	2.7863	0.0933	7.6192	0.0652	0.0033	0.0136	0.0821
853	8.55	8.86	4.7403	2.7866	0.0933	7.6201	0.062	-0.0001	0.0163	0.0783
854	8.38	8.91	4.7407	2.7866	0.0933	7.6207	0.0504	-0.0003	0.0156	0.0657
855	8.47	8.97	4.7408	2.7871	0.0935	7.6213	0.0466	0	0.0129	0.0595
856	8.85	9.02	4.7405	2.7873	0.0934	7.6213	0.0513	0.0063	0.0109	0.0685
857	8.54	9.06	4.7402	2.788	0.0933	7.6215	0.0579	0.0096	0.0116	0.0791
858	8.47	9.11	4.7396	2.788	0.0929	7.6206	0.0653	0.0154	0.0117	0.0924
859	8.8	9.17	4.7398	2.7878	0.0922	7.6198	0.0754	0.0243	0.0124	0.112
860	9.34	9.23	4.7398	2.788	0.0917	7.6195	0.0754	0.0282	0.012	0.1156
861	9.41	9.26	4.7391	2.7882	0.0912	7.6184	0.0654	0.0352	0.0108	0.1113
862	9.58	9.29	4.7385	2.7875	0.0912	7.6172	0.0531	0.0414	0.01	0.1045
863	9.84	9.35	4.7379	2.7868	0.0913	7.616	0.0396	0.0413	0.0095	0.0904
864	9.96	9.42	4.737	2.7858	0.0912	7.614	0.0364	0.0356	0.0072	0.0792
865	9.92	9.44	4.7368	2.7848	0.0912	7.6128	0.0335	0.0273	0.0065	0.0673
866	10	9.43	4.7367	2.7839	0.0915	7.6121	0.0307	0.022	0.0048	0.0576
867	9.86	9.46	4.7368	2.7833	0.0918	7.6119	0.0205	0.0207	0.0039	0.0452
868	10.1	9.49	4.7368	2.7831	0.0917	7.6116	-0.0024	0.021	0.0058	0.0244
869	9.97	9.5	4.7362	2.7833	0.0915	7.611	-0.002	0.0138	0.008	0.0198
870	9.25	9.5	4.7357	2.7834	0.0912	7.6104	0.0059	0.0195	0.0107	0.0361
871	9.2	9.52	4.7366	2.7834	0.0907	7.6108	0.0138	0.0325	0.0119	0.0581
872	9.79	9.51	4.7371	2.7836	0.0906	7.6113	0.0246	0.0456	0.0088	0.079
873	9.61	9.46	4.7369	2.7832	0.0904	7.6105	0.042	0.0501	0.0079	0.1
874	8.87	9.42	4.7366	2.7823	0.0907	7.6096	0.0455	0.0418	0.0055	0.0928
875	8.72	9.35	4.7363	2.782	0.0912	7.6094	0.0445	0.0404	0.0031	0.0881
876	9.1	9.27	4.736	2.7819	0.0916	7.6095	0.0307	0.0437	-0.0007	0.0737
877	8.96	9.22	4.736	2.7821	0.0918	7.61	0.0188	0.0458	-0.0065	0.058
878	9.05	9.16	4.7353	2.7828	0.0921	7.6101	0.0021	0.0386	-0.0127	0.028
879	9.43	9.11	4.7347	2.7835	0.0923	7.6105	0.0017	0.0267	-0.0156	0.0128

880	9.66	9.1	4.7346	2.7837	0.0924	7.6107	0.0138	0.0154	-0.0143	0.0149
881	9.43	9.09	4.7354	2.7843	0.0921	7.6117	0.0163	0.01	-0.0111	0.0151
882	8.89	9.06	4.7385	2.7852	0.092	7.6157	0.0156	0.0062	-0.0064	0.0154
883	9.16	9.04	4.7398	2.7853	0.0918	7.6169	0.0228	0.0006	-0.0017	0.0217
884	8.62	9.08	4.7406	2.7851	0.0914	7.6171	0.0285	-0.0046	-0.0018	0.0222
885	8.52	9.16	4.739	2.7856	0.0912	7.6158	0.035	-0.0136	-0.0006	0.0208
886	8.88	9.2	4.7371	2.7857	0.091	7.6137	0.0366	-0.0163	0.0027	0.0231
887	8.88	9.24	4.7361	2.7851	0.0906	7.6117	0.034	-0.0127	0.0056	0.0269
888	9.12	9.26	4.7358	2.784	0.0905	7.6103	0.0334	-0.0031	0.0039	0.0342
889	9.06	9.26	4.7353	2.7829	0.0907	7.6089	0.0412	0.0018	-0.0008	0.0422
890	9.03	9.23	4.7349	2.7821	0.0911	7.6081	0.0395	0.0009	-0.0007	0.0396
891	9.14	9.19	4.7349	2.782	0.0915	7.6084	0.0264	-0.0023	-0.0003	0.0238
892	9.19	9.19	4.7351	2.7828	0.092	7.61	0.0301	-0.0111	0.0051	0.0241
893	9.75	9.17	4.7348	2.7838	0.0923	7.611	0.0371	-0.012	0.0092	0.0344
894	10.1	9.2	4.7361	2.7845	0.0921	7.6127	0.0507	-0.0048	0.0099	0.0559
895	9.85	9.21	4.7364	2.7846	0.0916	7.6126	0.0645	0.0038	0.0092	0.0775
896	9.7	9.21	4.7365	2.7848	0.0915	7.6128	0.0735	0.0079	0.0062	0.0876
897	9.6	9.2	4.736	2.7854	0.0916	7.613	0.0786	0.0057	0.0088	0.0931
898	9.41	9.19	4.7354	2.7855	0.0914	7.6122	0.0635	0.0002	0.0128	0.0765
899	9.05	9.23	4.7343	2.7853	0.0912	7.6108	0.0441	0.0026	0.0154	0.0621
900	8.65	9.26	4.7335	2.7853	0.091	7.6098	0.0301	0.0139	0.0183	0.0623
901	8.82	9.31	4.7331	2.7853	0.0908	7.6092	0.0304	0.0191	0.0224	0.0719
902	8.92	9.38	4.7334	2.7854	0.0907	7.6094	0.0339	0.0234	0.0247	0.082
903	9.04	9.4	4.7345	2.7852	0.0907	7.6104	0.0408	0.0349	0.025	0.1006
904	8.84	9.37	4.7348	2.7853	0.0906	7.6107	0.0564	0.0403	0.0237	0.1204
905	8.88	9.37	4.7347	2.7846	0.0907	7.61	0.0671	0.0439	0.0216	0.1326
906	8.69	9.35	4.7342	2.7844	0.0907	7.6093	0.0721	0.0497	0.0183	0.1401
907	8.86	9.33	4.7334	2.784	0.0906	7.6081	0.0677	0.0514	0.0165	0.1357
908	9.76	9.3	4.7329	2.7834	0.0904	7.6068	0.0633	0.0597	0.0192	0.1421
909	9.66	9.3	4.7327	2.7832	0.0904	7.6063	0.0619	0.0552	0.0188	0.1359
910	10.2	9.28	4.7332	2.7831	0.0904	7.6067	0.0663	0.0499	0.0108	0.127
911	10.6	9.28	4.7345	2.7827	0.0904	7.6075	0.0699	0.0476	0.0051	0.1226
912	9.96	9.28	4.735	2.7829	0.0904	7.6083	0.0662	0.0485	0.0033	0.118
913	9.57	9.27	4.7343	2.7833	0.0906	7.6082	0.0642	0.0414	0.0014	0.107
914	9.89	9.3	4.7337	2.7835	0.0907	7.6079	0.0563	0.0343	-0.0012	0.0894
915	9.4	9.31	4.7333	2.7834	0.0906	7.6073	0.0459	0.0293	-0.002	0.0732
916	9.1	9.34	4.7344	2.7832	0.0908	7.6084	0.0409	0.014	-0.0009	0.054

917	8.87	9.35	4.7372	2.7827	0.0908	7.6107	0.0317	-0.001	0.0055	0.0363
918	8.99	9.31	4.7376	2.7828	0.0908	7.6112	0.0342	-0.0038	0.0089	0.0393
919	8.44	9.25	4.7377	2.7821	0.0908	7.6105	0.0392	-0.0013	0.0054	0.0432
920	8.76	9.18	4.7372	2.7812	0.091	7.6094	0.0358	0.001	0.0017	0.0386
921	8.85	9.06	4.7363	2.7804	0.0912	7.6079	0.0382	0.0015	-0.0034	0.0363
922	8.83	9.01	4.7353	2.7798	0.0914	7.6065	0.0532	-0.0022	-0.0097	0.0413
923	9.4	8.95	4.7351	2.7808	0.0917	7.6075	0.0597	0.001	-0.0126	0.0481
924	9.24	8.88	4.7353	2.7815	0.092	7.6088	0.0602	0.0021	-0.0173	0.0449
925	9.22	8.83	4.7366	2.7817	0.0922	7.6105	0.0578	-0.0075	-0.0161	0.0342
926	9.02	8.8	4.7372	2.7816	0.0926	7.6114	0.0347	-0.0179	-0.0133	0.0035
927	8.94	8.78	4.7388	2.7826	0.093	7.6144	0.0283	-0.0169	-0.0064	0.005
928	8.57	8.8	4.7394	2.7841	0.0932	7.6166	0.0134	-0.0121	-0.0057	-0.0045
929	8.87	8.82	4.7383	2.7852	0.0929	7.6164	0.0023	-0.0101	-0.0036	-0.0113
930	8.3	8.86	4.7376	2.7858	0.0926	7.6159	-0.0113	-0.0084	0.0014	-0.0184
931	8.86	8.89	4.7377	2.7862	0.0922	7.6161	-0.0105	-0.0081	0.003	-0.0156
932	8.54	8.92	4.7371	2.7865	0.0918	7.6153	0.0027	-0.0001	-0.0009	0.0018
933	8.44	8.95	4.7362	2.7864	0.0917	7.6143	0.0399	0.0098	-0.002	0.0477
934	8.52	8.98	4.7354	2.7864	0.0916	7.6134	0.0524	0.0107	-0.0027	0.0604
935	8.49	9.01	4.7352	2.7863	0.0912	7.6128	0.0594	0.0086	-0.007	0.061
936	8.55	9.05	4.735	2.7862	0.091	7.6122	0.0486	0.0126	-0.0101	0.0511
937	9.32	9.08	4.7348	2.7855	0.091	7.6113	0.0269	0.0138	-0.0115	0.0292
938	8.95	9.13	4.7337	2.7849	0.0914	7.61	0.0228	0.007	-0.013	0.0168
939	9.48	9.19	4.7335	2.7846	0.0915	7.6096	0.0224	-0.0071	-0.0092	0.0062
940	9.45	9.23	4.7345	2.7839	0.0913	7.6097	0.0173	-0.0205	-0.0086	-0.0117
941	9.42	9.21	4.7341	2.7837	0.0911	7.6088	0.0153	-0.0303	-0.0043	-0.0193
942	9.91	9.23	4.7339	2.7832	0.0911	7.6083	0.0208	-0.0341	0.0012	-0.012
943	9.85	9.28	4.7336	2.7825	0.0913	7.6074	0.027	-0.0282	0.0052	0.004
944	9.81	9.3	4.7332	2.782	0.0915	7.6068	0.0135	-0.0184	0.0126	0.0078
945	9.69	9.33	4.7328	2.7822	0.0918	7.6068	0.0136	-0.0103	0.014	0.0172
946	9.48	9.34	4.7321	2.7829	0.0917	7.6066	0.0142	-0.0066	0.008	0.0156
947	9.64	9.32	4.733	2.7836	0.0914	7.608	0.0175	0.0005	0.0049	0.0229
948	9.94	9.31	4.7346	2.7837	0.0912	7.6094	0.0138	0.0097	0.0064	0.0299
949	9.04	9.28	4.7361	2.7831	0.091	7.6102	0.0065	0.0149	0.007	0.0283
950	8.58	9.26	4.7361	2.7834	0.091	7.6105	-0.0038	0.0104	0.0047	0.0113
951	8.82	9.25	4.7358	2.7833	0.0909	7.61	-0.0171	0.0112	0.004	-0.0019
952	9.33	9.21	4.7356	2.7828	0.0908	7.6092	-0.0262	0.0159	0.0024	-0.0079
953	8.99	9.13	4.7346	2.7826	0.0909	7.6081	-0.0333	0.0199	0.0007	-0.0127

954	9.07	9.07	4.734	2.7822	0.0912	7.6074	-0.0285	0.0244	-0.002	-0.0061
955	8.73	9.06	4.7336	2.7821	0.0916	7.6073	-0.029	0.0309	-0.0037	-0.0018
956	8.84	9.01	4.7338	2.7822	0.0918	7.6077	-0.0255	0.0259	0.0021	0.0025
957	8.91	8.95	4.7339	2.782	0.0914	7.6073	-0.029	0.0243	0.0011	-0.0035
958	8.79	8.87	4.7335	2.7825	0.091	7.607	-0.0389	0.0246	-0.0044	-0.0188
959	9.1	8.85	4.7331	2.7828	0.0911	7.6071	-0.0404	0.0203	-0.007	-0.0271
960	9.32	8.89	4.7328	2.7832	0.0912	7.6072	-0.0373	0.0221	-0.007	-0.0221
961	9.17	8.92	4.7325	2.7833	0.0909	7.6066	-0.0247	0.0178	-0.0076	-0.0145
962	8.28	8.92	4.732	2.7834	0.0911	7.6065	-0.0138	0.0133	-0.0078	-0.0083
963	8.72	8.92	4.7323	2.7834	0.0914	7.6071	-0.0206	0.0143	-0.0068	-0.0131
964	9.38	8.93	4.7324	2.7828	0.0914	7.6067	-0.0363	0.0228	-0.0021	-0.0156
965	8.64	8.98	4.7327	2.7834	0.0913	7.6074	-0.041	0.0264	-0.0014	-0.016
966	8.39	9.03	4.7335	2.784	0.0909	7.6085	-0.033	0.0256	-0.0067	-0.0141
967	8.5	9.05	4.7334	2.7837	0.0909	7.608	-0.0132	0.0278	-0.0115	0.0031
968	8.55	9.05	4.7329	2.7832	0.0911	7.6073	0.014	0.0138	-0.0117	0.0162
969	9.34	9.04	4.7326	2.7832	0.0914	7.6071	0.02	0.0089	-0.0095	0.0194
970	9.53	8.99	4.7319	2.7832	0.0916	7.6067	0.0141	-0.0041	-0.0089	0.0012
971	9.3	8.94	4.7313	2.7836	0.0917	7.6066	0.0109	-0.0158	-0.0084	-0.0133
972	8.97	8.92	4.7311	2.7835	0.0919	7.6065	0.0029	-0.0228	-0.0063	-0.0262
973	9.24	8.89	4.7308	2.783	0.0922	7.606	-0.0016	-0.0321	-0.002	-0.0357
974	9.59	8.82	4.7308	2.7831	0.0923	7.6062	0.0027	-0.0295	0.0029	-0.024
975	9.85	8.83	4.7328	2.7838	0.0925	7.6091	0.0086	-0.0314	0.0083	-0.0145
976	9.27	8.85	4.7332	2.7836	0.0922	7.609	0.0269	-0.0313	0.0131	0.0087
977	8.84	8.9	4.7346	2.7834	0.0924	7.6104	0.0328	-0.0351	0.0181	0.0158
978	8.88	8.93	4.735	2.7838	0.0924	7.6112	0.0506	-0.0265	0.023	0.047
979	8.31	8.93	4.7358	2.7843	0.0922	7.6123	0.0569	-0.0142	0.0238	0.0665
980	8.25	8.93	4.7356	2.7845	0.0921	7.6122	0.0416	-0.0017	0.0199	0.0597
981	8.01	8.92	4.7351	2.7843	0.0922	7.6115	0.0301	0.0029	0.0174	0.0505
982	8.01	8.95	4.7345	2.7843	0.0922	7.611	0.03	0.0103	0.0148	0.0551
983	8.19	8.97	4.7346	2.7842	0.0921	7.6109	0.0345	0.0137	0.0011	0.0493
984	8.69	8.96	4.7346	2.7843	0.0921	7.611	0.0318	0.0194	-0.0031	0.0481
985	8.93	8.95	4.7342	2.7843	0.0922	7.6106	0.0276	0.0275	-0.0066	0.0485
986	9.34	8.97	4.7344	2.7843	0.0921	7.6108	0.0303	0.0377	-0.0105	0.0575
987	9.08	9.04	4.7338	2.7844	0.0919	7.6101	0.0323	0.0422	-0.0123	0.0622
988	9.41	9.07	4.7335	2.7847	0.0914	7.6097	0.0321	0.0425	-0.0144	0.0602
989	9.53	9.17	4.7336	2.785	0.0915	7.6101	0.0167	0.0418	-0.0103	0.0482
990	9.12	9.25	4.7334	2.7852	0.0915	7.6101	0.012	0.0375	-0.0073	0.0422

991	9.48	9.34	4.7328	2.7854	0.0914	7.6096	0.0213	0.0283	-0.0099	0.0396
992	9.73	9.44	4.7324	2.7857	0.0915	7.6096	0.0176	0.0284	-0.0166	0.0295
993	9.38	9.51	4.7335	2.7857	0.091	7.6102	0.0156	0.0241	-0.0223	0.0174
994	9.68	9.56	4.7347	2.7855	0.0907	7.611	0.0162	0.0155	-0.0208	0.0109
995	9.59	9.59	4.735	2.7853	0.0908	7.611	0.0152	0.0034	-0.0137	0.005
996	10.1	9.6	4.7347	2.7848	0.091	7.6105	0.0106	0.0065	-0.0091	0.008
997	9.5	9.6	4.7346	2.7844	0.091	7.61	-0.0015	0.0095	-0.0121	-0.0041
998	10.3	9.58	4.7347	2.784	0.0907	7.6094	0.0047	0.0134	-0.0149	0.0032
999	9.75	9.55	4.7347	2.7843	0.0907	7.6097	0.0179	0.0082	-0.0165	0.0095
1000	9.74	9.54	4.7352	2.7842	0.0906	7.6099	0.0349	0.0001	-0.0158	0.0192
1001	9.94	9.5	4.7357	2.7837	0.0906	7.61	0.0346	0.0048	-0.0183	0.021
1002	9.5	9.5	4.7367	2.7834	0.0906	7.6107	0.0337	0.0046	-0.0225	0.0158
1003	9.53	9.49	4.7374	2.7827	0.0909	7.611	0.0327	-0.0027	-0.022	0.008
1004	9.6	9.46	4.7377	2.7822	0.091	7.6109	0.0152	-0.0057	-0.0183	-0.0087
1005	9.41	9.43	4.7373	2.7821	0.0905	7.6098	0.0076	-0.0119	-0.0135	-0.0178
1006	9.07	9.35	4.7371	2.782	0.0906	7.6096	0.004	-0.0159	-0.0106	-0.0225
1007	9.18	9.31	4.7373	2.7816	0.091	7.6099	0.0025	-0.0212	-0.0091	-0.0278
1008	8.86	9.25	4.737	2.7814	0.0911	7.6095	-0.001	-0.0237	-0.0118	-0.0365
1009	9.05	9.2	4.7364	2.781	0.0911	7.6085	-0.006	-0.0141	-0.0154	-0.0355
1010	8.69	9.15	4.7357	2.7813	0.0912	7.6082	-0.0119	-0.0072	-0.0185	-0.0376
1011	9.61	9.09	4.7359	2.7813	0.0912	7.6084	-0.0152	-0.0002	-0.0186	-0.0341
1012	9.35	9.06	4.7371	2.7814	0.091	7.6096	-0.0171	0.0062	-0.0222	-0.033
1013	9.05	9.03	4.7379	2.781	0.0908	7.6097	-0.0191	0.013	-0.0218	-0.0279
1014	8.95	8.99	4.7378	2.7808	0.0908	7.6095	-0.0144	0.0144	-0.0184	-0.0184
1015	8.54	8.97	4.7366	2.7809	0.0913	7.6087	-0.0101	0.0092	-0.0187	-0.0196
1016	8.8	8.96	4.7357	2.7804	0.0919	7.608	-0.0071	0.013	-0.0189	-0.013
1017	9.14	8.94	4.7358	2.7813	0.092	7.6091	0.0013	0.0176	-0.0234	-0.0045
1018	8.89	8.93	4.7356	2.7819	0.0918	7.6092	0.0009	0.0104	-0.0263	-0.015
1019	8.64	8.93	4.7362	2.7825	0.0917	7.6104	-0.0028	0.0073	-0.0278	-0.0233
1020	8.94	8.95	4.7361	2.7828	0.0918	7.6107	-0.0047	0.005	-0.0265	-0.0262
1021	8.78	8.95	4.736	2.7827	0.0918	7.6105	-0.0101	0.0041	-0.0254	-0.0314
1022	9.09	8.95	4.7355	2.783	0.0916	7.6101	-0.0184	0.0095	-0.0277	-0.0365
1023	8.77	8.97	4.7348	2.7838	0.0914	7.6099	-0.0257	0.0053	-0.0251	-0.0455
1024	9.02	9.03	4.7345	2.7846	0.0912	7.6103	-0.0353	-0.0023	-0.0219	-0.0595
1025	8.8	9.1	4.7339	2.7849	0.0909	7.6097	-0.0439	-0.0022	-0.0211	-0.0672
1026	8.88	9.19	4.7339	2.7852	0.0908	7.6098	-0.0243	0.0001	-0.0198	-0.0441
1027	8.7	9.26	4.7337	2.7852	0.0907	7.6097	-0.0207	-0.0073	-0.0228	-0.0507

1028	8.99	9.32	4.7337	2.7855	0.0908	7.61	-0.0085	-0.0096	-0.02	-0.038
1029	9.18	9.38	4.7341	2.7854	0.0909	7.6104	-0.0067	-0.0126	-0.0171	-0.0364
1030	9.51	9.4	4.7346	2.7855	0.0908	7.6109	-0.001	-0.0136	-0.0173	-0.0319
1031	9.3	9.44	4.7347	2.7852	0.0907	7.6106	-0.0037	-0.013	-0.0156	-0.0324
1032	9.54	9.47	4.7336	2.7851	0.0917	7.6104	-0.019	-0.0162	-0.0112	-0.0464
1033	10	9.52	4.733	2.7845	0.092	7.6095	-0.0225	-0.0172	-0.0088	-0.0484
1034	9.94	9.52	4.7326	2.7837	0.0922	7.6085	-0.0138	-0.0164	-0.0094	-0.0396
1035	10.5	9.51	4.7322	2.7826	0.0923	7.6071	-0.0052	-0.0137	-0.0077	-0.0266
1036	10.5	9.53	4.7318	2.7819	0.0923	7.606	-0.0024	-0.0084	-0.0037	-0.0144
1037	10.1	9.55	4.7316	2.7812	0.0924	7.6053	0.0075	-0.0015	-0.0035	0.0026
1038	9.65	9.54	4.732	2.7807	0.0925	7.6052	0.0078	0.0081	-0.0054	0.0105
1039	9.32	9.51	4.7323	2.7809	0.0922	7.6054	0.0161	0.0191	-0.0092	0.0261
1040	9.55	9.48	4.7324	2.7811	0.0923	7.6057	0.021	0.022	-0.0085	0.0345
1041	9.64	9.46	4.7323	2.7808	0.0928	7.6059	0.0224	0.0228	-0.0099	0.0354
1042	9.79	9.43	4.7324	2.7808	0.0934	7.6065	0.0235	0.0333	-0.0102	0.0466
1043	9.06	9.37	4.732	2.781	0.0934	7.6063	0.0183	0.0376	-0.0091	0.0468
1044	8.62	9.29	4.7317	2.7817	0.0929	7.6063	0.0252	0.0388	-0.0169	0.0471
1045	9.24	9.21	4.7317	2.7815	0.0927	7.606	0.0408	0.0377	-0.0208	0.0578
1046	9.07	9.12	4.7322	2.7819	0.0929	7.6071	0.0351	0.0367	-0.0189	0.0529
1047	8.75	9.02	4.7325	2.7822	0.0929	7.6076	0.0135	0.0344	-0.0167	0.0312
1048	8.6	8.97	4.7328	2.7828	0.0928	7.6085	0.0017	0.0347	-0.0175	0.019
1049	8.92	8.97	4.7326	2.7831	0.0926	7.6083	-0.0044	0.0317	-0.0188	0.0085
1050	9.05	8.96	4.7326	2.783	0.0928	7.6084	-0.0064	0.0367	-0.0165	0.0138
1051	8.82	8.94	4.7324	2.7828	0.0932	7.6084	0.0025	0.0329	-0.0206	0.0148
1052	8.95	8.93	4.7323	2.7831	0.093	7.6084	0.0148	0.0292	-0.0253	0.0187
1053	8.51	8.96	4.7331	2.7831	0.0928	7.609	0.0354	0.0277	-0.0296	0.0334
1054	8.82	9.01	4.7332	2.7834	0.0925	7.6092	0.0477	0.0163	-0.0273	0.0367
1055	8.95	9.01	4.7332	2.7837	0.0927	7.6096	0.0606	0.0061	-0.0262	0.0405
1056	8.12	9.01	4.7335	2.7843	0.0927	7.6105	0.0632	0.0057	-0.0312	0.0378
1057	8.6	9.03	4.734	2.7844	0.0926	7.611	0.0653	-0.0052	-0.0296	0.0304
1058	9.28	9.13	4.734	2.7839	0.0926	7.6105	0.0657	-0.0101	-0.0227	0.0329
1059	9.43	9.18	4.7343	2.7835	0.093	7.6108	0.0538	-0.009	-0.0187	0.0262
1060	9.31	9.18	4.7343	2.7833	0.0931	7.6107	0.0435	-0.0113	-0.0165	0.0157
1061	9.52	9.2	4.7342	2.7827	0.0931	7.6099	0.0352	-0.0086	-0.0138	0.0128
1062	9.59	9.2	4.7339	2.7821	0.0933	7.6093	0.0369	-0.0094	-0.011	0.0164
1063	9.58	9.24	4.7337	2.782	0.0932	7.6089	0.0482	-0.0117	-0.0132	0.0232
1064	9.36	9.29	4.7334	2.7819	0.0933	7.6086	0.0606	-0.0117	-0.016	0.0329

1065	9.01	9.31	4.7334	2.7821	0.0932	7.6087	0.0582	-0.008	-0.0222	0.0281
1066	9.22	9.4	4.7334	2.7823	0.0933	7.609	0.0437	-0.0074	-0.0221	0.0141
1067	10.5	9.45	4.7333	2.7827	0.0935	7.6095	0.0334	-0.0124	-0.0157	0.0052
1068	9.94	9.44	4.7332	2.7825	0.0939	7.6096	0.0401	-0.0042	-0.016	0.0199
1069	8.99	9.44	4.7331	2.7826	0.094	7.6097	0.04	-0.007	-0.0202	0.0129
1070	9.07	9.44	4.7329	2.7828	0.0941	7.6099	0.0472	-0.0087	-0.0193	0.0192
1071	9.12	9.46	4.7332	2.7827	0.0945	7.6103	0.0459	-0.011	-0.0162	0.0187
1072	9.23	9.49	4.7337	2.783	0.0944	7.611	0.0403	-0.0128	-0.0139	0.0136
1073	9.65	9.51	4.7344	2.7832	0.0943	7.6119	0.0306	-0.0063	-0.0139	0.0104
1074	9.44	9.51	4.7352	2.7833	0.0944	7.6129	0.025	0.0016	-0.0153	0.0113
1075	9.84	9.57	4.7352	2.7838	0.0945	7.6135	0.212	0.0143	-0.2181	0.0082
1076	9.47	9.62	4.7352	2.7843	0.0945	7.614	0.2504	0.0149	-0.2629	0.0025
1077	9.1	9.61	4.7355	2.7843	0.0944	7.6142	0.2507	0.0215	-0.266	0.0063
1078	9.56	9.62	4.7357	2.785	0.0941	7.6148	0.2543	0.0248	-0.2683	0.0107
1079	9.2	9.68	4.7359	2.7857	0.0939	7.6155	0.2572	0.0254	-0.2665	0.0161
1080	9.86	9.75	4.736	2.7858	0.0937	7.6155	0.2613	0.029	-0.2687	0.0216
1081	10.2	9.8	4.737	2.7859	0.0933	7.6162	0.2617	0.0332	-0.2688	0.0262
1082	9.92	9.84	4.7367	2.786	0.0931	7.6158	0.2571	0.0315	-0.269	0.0197
1083	9.54	9.89	4.736	2.7859	0.093	7.6148	0.2491	0.031	-0.2563	0.0238
1084	10.1	9.94	4.7351	2.7857	0.0929	7.6136	0.2465	0.024	-0.2497	0.0208
1085	10.1	9.95	4.7344	2.7851	0.0926	7.6121	0.2414	0.0148	-0.2483	0.0079
1086	10.3	9.96	4.7336	2.7844	0.0924	7.6105	0.2353	0.0037	-0.249	-0.01
1087	10.1	10	4.733	2.7836	0.0924	7.609	0.229	-0.0034	-0.2502	-0.0247
1088	10.2	10	4.7319	2.7828	0.0923	7.607	0.2281	-0.0076	-0.2505	-0.03
1089	10.4	10	4.7315	2.7828	0.0924	7.6066	0.2292	-0.014	-0.2506	-0.0354
1090	10.1	9.96	4.7312	2.7829	0.0925	7.6065	0.2283	-0.014	-0.254	-0.0397
1091	10	9.88	4.7304	2.7821	0.0924	7.6049	0.2306	-0.0173	-0.2493	-0.036
1092	10.5	9.86	4.7306	2.7819	0.0924	7.6049	0.2312	-0.0225	-0.2467	-0.038
1093	10.5	9.87	4.731	2.7818	0.0927	7.6055	0.2334	-0.0222	-0.2429	-0.0317
1094	9.98	9.83	4.7307	2.7818	0.0928	7.6052	0.2281	-0.0212	-0.2424	-0.0354
1095	9.6	9.8	4.7315	2.7816	0.0927	7.6058	0.2251	-0.018	-0.2484	-0.0414
1096	9.97	9.75	4.7334	2.7813	0.0926	7.6074	0.222	-0.0244	-0.2522	-0.0546
1097	9.5	9.69	4.7344	2.7809	0.0927	7.6081	0.2238	-0.0262	-0.251	-0.0534
1098	9.16	9.62	4.7351	2.7808	0.0926	7.6086	0.2228	-0.0297	-0.2493	-0.0562
1099	9.08	9.52	4.7353	2.7806	0.0923	7.6083	0.2177	-0.0273	-0.2471	-0.0567
1100	8.74	9.46	4.7349	2.7809	0.0927	7.6085	0.219	-0.0228	-0.249	-0.0527
1101	9.54	9.39	4.7342	2.7808	0.0931	7.6081	0.2204	-0.0305	-0.2412	-0.0513

1102	9.62	9.3	4.7332	2.7806	0.0936	7.6074	0.2248	-0.0312	-0.2335	-0.0398
1103	9.38	9.18	4.7326	2.7811	0.0936	7.6073	0.2362	-0.0271	-0.2349	-0.0259
1104	9.67	9.1	4.7316	2.7816	0.0936	7.6068	0.2474	-0.025	-0.2363	-0.0139
1105	9.21	9.04	4.7309	2.7815	0.0936	7.606	0.2411	-0.0207	-0.2362	-0.0158
1106	8.93	8.96	4.7305	2.7825	0.0935	7.6066	0.2342	-0.0165	-0.2347	-0.017
1107	8.84	8.91	4.7308	2.7826	0.0933	7.6066	0.2395	-0.0064	-0.2344	-0.0013
1108	8.64	8.88	4.7316	2.7823	0.093	7.6069	0.2563	0	-0.238	0.0183
1109	8.89	8.88	4.7321	2.7821	0.0927	7.607	0.2637	0.0021	-0.2409	0.0248
1110	8.73	8.91	4.7322	2.7822	0.0926	7.6069	0.2673	0.0066	-0.2384	0.0355
1111	8.68	8.92	4.7322	2.7823	0.0923	7.6067	0.2634	0.0105	-0.2383	0.0355
1112	8.35	8.94	4.7323	2.7826	0.0924	7.6072	0.2635	0.007	-0.2421	0.0283
1113	8.39	8.96	4.7319	2.7822	0.0924	7.6065	0.2574	0.0009	-0.2408	0.0175
1114	8.37	8.95	4.732	2.7816	0.0931	7.6067	0.2451	0.0003	-0.2424	0.0031
1115	8.6	8.99	4.7322	2.7816	0.0935	7.6073	0.2458	0.0036	-0.2422	0.0071
1116	8.4	9.01	4.7323	2.7817	0.0935	7.6075	0.2496	0.01	-0.2448	0.0149
1117	8.67	9.01	4.7318	2.7817	0.0936	7.6071	0.2495	0.0104	-0.2461	0.0137
1118	9.04	9.01	4.7316	2.7826	0.0938	7.6079	0.2494	0.0085	-0.2461	0.0119
1119	9.27	9.05	4.7315	2.7833	0.0936	7.6085	0.2528	-0.002	-0.2412	0.0095
1120	9.82	9.11	4.7315	2.7839	0.0934	7.6088	0.255	-0.0043	-0.2416	0.0092
1121	9.94	9.19	4.732	2.784	0.0932	7.6091	0.2586	-0.0062	-0.2434	0.009
1122	9.78	9.3	4.7324	2.7837	0.093	7.609	0.2587	-0.0132	-0.2403	0.0052
1123	9.58	9.38	4.7323	2.7836	0.0929	7.6088	0.2605	-0.0165	-0.2423	0.0016
1124	9.86	9.45	4.7133	2.7832	0.113	7.6094	0.2532	-0.016	-0.2411	-0.0039
1125	9.44	9.51	4.7088	2.7834	0.1172	7.6094	0.2365	-0.0153	-0.2374	-0.0161
1126	8.7	9.57	4.7088	2.783	0.1174	7.6092	0.2272	-0.0118	-0.2334	-0.0181
1127	8.78	9.61	4.7083	2.7827	0.1176	7.6086	0.2284	-0.0069	-0.2306	-0.009
1128	9.62	9.67	4.708	2.7829	0.1175	7.6084	0.2419	-0.0112	-0.2308	-0.0001
1129	9.83	9.72	4.708	2.7825	0.1178	7.6082	0.2538	-0.0076	-0.2332	0.013
1130	10.2	9.74	4.7084	2.7821	0.1177	7.6083	0.2643	-0.003	-0.2344	0.0269
1131	10.4	9.74	4.709	2.782	0.1176	7.6086	0.2747	-0.0037	-0.2349	0.0362
1132	10	9.75	4.7087	2.782	0.1173	7.608	0.2894	0.0072	-0.2366	0.06
1133	9.69	9.77	4.7083	2.7821	0.117	7.6074	0.2958	0.0182	-0.2364	0.0777
1134	9.69	9.79	4.7085	2.7822	0.117	7.6077	0.2867	0.0199	-0.233	0.0736
1135	9.55	9.84	4.7087	2.7822	0.1172	7.6081	0.2821	0.0265	-0.2344	0.0742
1136	9.37	9.93	4.7089	2.7823	0.1173	7.6084	0.2822	0.0282	-0.2366	0.0738
1137	10.2	10	4.7088	2.782	0.1175	7.6083	0.2843	0.0216	-0.2382	0.0677
1138	10.3	10	4.7091	2.7821	0.1175	7.6087	0.2822	0.0161	-0.2395	0.0589

1139	10.2	9.96	4.7095	2.7823	0.1176	7.6094	0.2764	0.0091	-0.2422	0.0433
1140	9.94	9.95	4.7093	2.7828	0.1172	7.6093	0.2762	0.0123	-0.2412	0.0473
1141	9.99	9.92	4.7092	2.7831	0.1174	7.6097	0.2739	0.021	-0.2414	0.0535
1142	9.96	9.88	4.709	2.783	0.1177	7.6097	0.2649	0.0199	-0.2444	0.0405
1143	10.2	9.87	4.7091	2.7831	0.1176	7.6099	0.2629	0.0216	-0.249	0.0355
1144	10.2	9.88	4.7092	2.7835	0.1178	7.6104	0.2683	0.0164	-0.2487	0.036
1145	10.4	9.87	4.7095	2.784	0.1179	7.6114	0.2676	0.0086	-0.2512	0.025
1146	10.4	9.9	4.7098	2.7845	0.118	7.6124	0.2754	0.0045	-0.2523	0.0276
1147	9.38	9.88	4.7102	2.7852	0.1178	7.6133	0.2881	0.007	-0.252	0.0432
1148	9	9.81	4.711	2.7856	0.1175	7.6141	0.287	0.0052	-0.2468	0.0455
1149	10.1	9.79	4.7107	2.7854	0.1175	7.6136	0.286	0.0024	-0.2445	0.0439
1150	9.77	9.77	4.7106	2.786	0.117	7.6135	0.2812	0.0043	-0.2441	0.0415
1151	9.27	9.74	4.71	2.786	0.1165	7.6124	0.2716	0.0074	-0.2424	0.0366
1152	9.63	9.72	4.7087	2.7858	0.1165	7.6109	0.2642	0.0042	-0.2375	0.0309
1153	9.82	9.67	4.7084	2.7856	0.1164	7.6104	0.2578	0.0004	-0.233	0.0252
1154	9.37	9.65	4.7091	2.7855	0.1162	7.6108	0.2569	-0.0008	-0.2344	0.0217
1155	9.91	9.63	4.7098	2.7853	0.1162	7.6113	0.2525	0.0001	-0.2391	0.0135
1156	9.75	9.58	4.7096	2.7849	0.1161	7.6106	0.2463	-0.0101	-0.2418	-0.0056
1157	9.06	9.59	4.7084	2.7844	0.1164	7.6091	0.2287	-0.0061	-0.2396	-0.0169
1158	9.85	9.64	4.7077	2.7837	0.1167	7.6081	0.2209	-0.0053	-0.2393	-0.0237
1159	9.6	9.62	4.7076	2.7829	0.1168	7.6073	0.2317	-0.0092	-0.2442	-0.0217
1160	9.31	9.62	4.708	2.7822	0.1169	7.6071	0.2447	-0.0054	-0.2453	-0.0059
1161	9.54	9.64	4.7078	2.782	0.1173	7.6071	0.2594	-0.0004	-0.2459	0.0131
1162	9.42	9.65	4.7082	2.782	0.1173	7.6075	0.2696	0.0048	-0.2473	0.0272
1163	9.84	9.64	4.7092	2.7819	0.1175	7.6086	0.2789	0.0106	-0.2444	0.045
1164	9.94	9.65	4.7088	2.7816	0.1175	7.6079	0.2793	0.0076	-0.2436	0.0433
1165	9.55	9.62	4.7084	2.7811	0.1177	7.6073	0.2781	0.0082	-0.2367	0.0495
1166	9.52	9.61	4.7085	2.7813	0.1179	7.6076	0.2783	0.0139	-0.2343	0.0579
1167	9.94	9.6	4.7084	2.7818	0.1181	7.6083	0.281	0.0185	-0.2367	0.0628
1168	9.66	9.58	4.7079	2.7827	0.118	7.6087	0.2795	0.0205	-0.2383	0.0616
1169	9.79	9.57	4.7076	2.7831	0.1182	7.6088	0.2769	0.0275	-0.2374	0.0671
1170	9.71	9.56	4.7071	2.7834	0.1185	7.609	0.2751	0.0313	-0.2399	0.0666
1171	9.84	9.56	4.7073	2.784	0.1185	7.6098	0.2749	0.0356	-0.2432	0.0673
1172	9.66	9.54	4.7077	2.7846	0.1186	7.6109	0.2799	0.0343	-0.2467	0.0675
1173	9.38	9.5	4.709	2.7848	0.1185	7.6123	0.2819	0.0242	-0.2495	0.0566
1174	9.5	9.48	4.7115	2.7848	0.1181	7.6145	0.2803	0.0161	-0.2495	0.0469
1175	9.43	9.51	4.7125	2.785	0.1178	7.6153	0.0898	0.0082	-0.0493	0.0487

1176	9.02	9.54	4.7124	2.785	0.1176	7.6149	0.0472	0.0113	-0.0055	0.0531
1177	9.42	9.56	4.7113	2.7854	0.1175	7.6142	0.0465	0.0105	-0.0045	0.0525
1178	9.3	9.57	4.7103	2.7858	0.1174	7.6135	0.0382	0.0066	-0.004	0.0408
1179	9.24	9.57	4.7095	2.786	0.1173	7.6128	0.0293	0.0056	-0.0016	0.0332
1180	9.48	9.59	4.7085	2.7862	0.1171	7.6118	0.0258	-0.001	0.0007	0.0255
1181	9.05	9.57	4.708	2.7852	0.1169	7.6102	0.0294	-0.0069	-0.0022	0.0203
1182	9.05	9.57	4.7072	2.7842	0.1167	7.608	0.0351	-0.0106	-0.0047	0.0198
1183	9.63	9.58	4.7073	2.7839	0.1163	7.6075	0.0349	-0.0146	-0.0063	0.014
1184	10	9.57	4.7069	2.783	0.1163	7.6062	0.035	-0.0177	-0.0065	0.0109
1185	10.2	9.56	4.7062	2.7823	0.1162	7.6047	0.0338	-0.0153	-0.0041	0.0144
1186	10.3	9.57	4.7052	2.7823	0.1163	7.6038	0.0312	-0.0177	-0.0017	0.0118
1187	9.86	9.55	4.7048	2.782	0.1164	7.6031	0.0324	-0.0153	0.0011	0.0182
1188	9.79	9.54	4.7043	2.7819	0.1166	7.6027	0.0306	-0.013	0.0046	0.0222
1189	10	9.51	4.7039	2.7815	0.1165	7.6019	0.0332	-0.0078	0.0043	0.0297
1190	9.49	9.48	4.7038	2.7808	0.1166	7.6012	0.0384	-0.0019	0.0053	0.0418
1191	9.61	9.47	4.7039	2.7801	0.1168	7.6009	0.0426	0.0021	0.0031	0.0478
1192	9.66	9.46	4.7043	2.7797	0.1173	7.6014	0.0561	0.0068	0.0093	0.0721
1193	9.18	9.4	4.7041	2.7802	0.1176	7.6019	0.0549	0.0129	0.0118	0.0796
1194	9.34	9.33	4.7039	2.7809	0.1179	7.6027	0.0525	0.0218	0.0142	0.0885
1195	9.24	9.25	4.7039	2.7812	0.1179	7.603	0.059	0.0241	0.0193	0.1024
1196	8.96	9.17	4.7046	2.7806	0.1178	7.6031	0.0659	0.0296	0.0223	0.1178
1197	9.18	9.16	4.7057	2.7804	0.1174	7.6036	0.0685	0.0452	0.0198	0.1334
1198	8.67	9.11	4.7065	2.7806	0.117	7.6042	0.0665	0.057	0.0149	0.1384
1199	8.86	9.06	4.7072	2.7802	0.1167	7.6041	0.0686	0.0625	0.008	0.139
1200	8.88	9.05	4.7078	2.7801	0.1169	7.6048	0.0623	0.0621	0.006	0.1303
1201	8.82	9.04	4.7078	2.7803	0.1169	7.605	0.0576	0.0665	0.0005	0.1246
1202	8.6	9.03	4.7074	2.7806	0.1169	7.6048	0.0447	0.0723	-0.004	0.113
1203	8.63	9.05	4.7069	2.7812	0.117	7.6051	0.0308	0.0699	-0.0068	0.0939
1204	8.59	9.04	4.7064	2.7816	0.1175	7.6055	0.0297	0.0632	-0.0131	0.0798
1205	8.87	9.06	4.7063	2.7825	0.1178	7.6066	0.0456	0.0581	-0.0164	0.0873
1206	9.66	9.11	4.7077	2.7831	0.1175	7.6083	0.0568	0.0565	-0.0154	0.0978
1207	8.89	9.13	4.7087	2.7831	0.1172	7.609	0.0551	0.0484	-0.014	0.0895
1208	8.99	9.19	4.7084	2.7832	0.1174	7.609	0.0426	0.041	-0.0057	0.0778
1209	9.34	9.27	4.7076	2.7827	0.1173	7.6076	0.0305	0.0312	-0.0004	0.0613
1210	9.41	9.33	4.7062	2.7822	0.1172	7.6056	0.028	0.0234	0.0009	0.0523
1211	9.48	9.36	4.7052	2.7818	0.117	7.604	0.0325	0.0159	0.0008	0.0492
1212	9.47	9.37	4.7044	2.7816	0.1168	7.6027	0.0325	0.0103	0.0033	0.0461

1213	9.18	9.39	4.7039	2.7814	0.1168	7.6021	0.0348	0.0082	0.0041	0.0471
1214	9.67	9.4	4.7042	2.7808	0.1167	7.6017	0.041	0.0048	0.0066	0.0523
1215	9.95	9.39	4.7044	2.7802	0.1169	7.6015	0.0382	-0.0002	0.0106	0.0487
1216	9.43	9.34	4.7042	2.7798	0.1172	7.6012	0.0332	-0.0056	0.012	0.0396
1217	9.86	9.34	4.7038	2.7797	0.1174	7.6009	0.0351	0	0.0119	0.0469
1218	10.4	9.34	4.7039	2.7798	0.1175	7.6012	0.0407	0.0107	0.012	0.0634
1219	9.96	9.31	4.704	2.7802	0.1176	7.6018	0.0381	0.0146	0.0115	0.0642
1220	9.53	9.29	4.7041	2.7803	0.1177	7.6021	0.0367	0.0184	0.0136	0.0686
1221	8.74	9.25	4.704	2.7805	0.1179	7.6024	0.0284	0.0259	0.0166	0.071
1222	8.91	9.26	4.7042	2.7813	0.1179	7.6034	0.025	0.0318	0.0175	0.0743
1223	8.82	9.28	4.7042	2.782	0.1178	7.6041	0.0263	0.0375	0.0201	0.0839
1224	8.73	9.28	4.7043	2.7824	0.1179	7.6046	0.0415	0.0403	0.0209	0.1027
1225	8.76	9.24	4.7041	2.7822	0.1178	7.6041	0.0656	0.0422	0.0162	0.1239
1226	8.82	9.25	4.7041	2.782	0.1178	7.6039	0.0761	0.047	0.0112	0.1343
1227	8.95	9.27	4.7045	2.7821	0.118	7.6045	0.0759	0.0478	0.0068	0.1305
1228	8.85	9.24	4.7051	2.7824	0.1176	7.6051	0.0687	0.0494	0.008	0.126
1229	9.08	9.25	4.7054	2.7826	0.1177	7.6057	0.0578	0.0561	0.0073	0.1212
1230	8.72	9.27	4.7055	2.7828	0.1179	7.6062	0.0454	0.0585	0.0035	0.1075
1231	9.57	9.35	4.7055	2.7831	0.1181	7.6066	0.0283	0.0566	-0.0027	0.0821
1232	9.58	9.43	4.7052	2.7835	0.1179	7.6066	0.0198	0.0413	-0.0066	0.0545
1233	9.56	9.47	4.7048	2.7838	0.1176	7.6063	0.0104	0.026	-0.0109	0.0255
1234	9.28	9.55	4.7051	2.7837	0.1175	7.6063	0.0134	0.0199	-0.0145	0.0188
1235	9.7	9.6	4.7056	2.784	0.1173	7.6069	0.0091	0.0055	-0.0141	0.0005
1236	10.1	9.64	4.7056	2.7838	0.1172	7.6066	-0.0012	-0.0048	-0.0135	-0.0195
1237	9.87	9.68	4.7057	2.7833	0.117	7.6061	-0.0148	-0.0022	-0.0138	-0.0308
1238	10.2	9.74	4.7058	2.7829	0.1171	7.6058	-0.0235	0.0001	-0.011	-0.0345
1239	9.94	9.77	4.7056	2.7825	0.1171	7.6052	-0.0232	0.0001	-0.0076	-0.0307
1240	10.3	9.82	4.705	2.7826	0.1169	7.6045	-0.0116	-0.0106	-0.007	-0.0292
1241	10.4	9.81	4.7036	2.7824	0.1165	7.6025	-0.0024	-0.0146	-0.0028	-0.0198
1242	9.69	9.79	4.7035	2.7817	0.1165	7.6017	-0.0018	-0.0143	-0.0015	-0.0177
1243	10.1	9.79	4.7039	2.7809	0.1162	7.601	0.0015	-0.0114	0.0031	-0.0068
1244	9.72	9.77	4.7033	2.7811	0.1158	7.6002	0.0029	-0.0051	0.0068	0.0046
1245	9.6	9.74	4.7029	2.781	0.1157	7.5996	-0.0008	0.0071	0.0116	0.0178
1246	9.77	9.74	4.703	2.78	0.116	7.5991	-0.0035	0.0145	0.012	0.023
1247	9.89	9.73	4.7036	2.7795	0.1163	7.5994	0.0043	0.0119	0.0117	0.028
1248	9.66	9.7	4.7042	2.7793	0.1167	7.6002	0.025	0.0076	0.0072	0.0398
1249	9.74	9.66	4.7045	2.7792	0.1169	7.6006	0.0379	0.0087	0.001	0.0476

1250	9.38	9.59	4.7048	2.7794	0.1169	7.6011	0.0398	-0.0016	-0.0017	0.0364
1251	9.24	9.55	4.7055	2.7787	0.1169	7.6011	0.0326	-0.0008	0.0046	0.0364
1252	9.52	9.55	4.7056	2.7788	0.1172	7.6016	0.03	0.0043	0.0098	0.0442
1253	8.94	9.5	4.7054	2.7793	0.1177	7.6024	0.0255	0.0068	0.0113	0.0437
1254	9.14	9.47	4.7046	2.7797	0.1178	7.602	0.0251	0.0161	0.0089	0.0501
1255	9.93	9.46	4.7041	2.7797	0.1177	7.6015	0.0191	0.0248	0.0113	0.0553
1256	9.82	9.5	4.704	2.7801	0.1175	7.6017	0.0178	0.0309	0.0155	0.0643
1257	9.62	9.49	4.7041	2.7803	0.117	7.6013	0.0352	0.0367	0.0141	0.0859
1258	9.11	9.49	4.7046	2.7806	0.1167	7.6019	0.0453	0.0371	0.0091	0.0914
1259	8.99	9.44	4.7048	2.7805	0.1167	7.602	0.0415	0.0351	0.0082	0.0848
1260	9.53	9.43	4.7047	2.7806	0.1168	7.6022	0.0309	0.0274	0.0068	0.0651
1261	9.63	9.42	4.7046	2.781	0.117	7.6025	0.0172	0.0189	0.0065	0.0425
1262	9.32	9.41	4.7047	2.7812	0.1169	7.6028	0.0088	0.0086	0.0052	0.0226
1263	9.15	9.44	4.7051	2.7814	0.1168	7.6034	0.0028	0.0055	0.003	0.0113
1264	9.41	9.46	4.705	2.7816	0.1164	7.603	0.0004	0.0041	0.0026	0.0072
1265	10.5	9.43	4.7051	2.7817	0.1165	7.6033	0.0041	-0.0027	0.0034	0.0048
1266	9.65	9.44	4.7049	2.7813	0.1167	7.6029	0.0154	-0.0075	0.0065	0.0144
1267	9.66	9.47	4.7043	2.7808	0.1169	7.602	0.0157	-0.0084	0.0094	0.0167
1268	8.92	9.49	4.7041	2.7812	0.1169	7.6022	0.0119	-0.0052	0.0102	0.017
1269	9.01	9.53	4.7039	2.7812	0.1168	7.6019	0.0147	0.0001	0.0092	0.024
1270	9.2	9.52	4.7042	2.7809	0.1168	7.6019	0.011	0.0041	0.0086	0.0237
1271	9.34	9.51	4.7048	2.7808	0.1168	7.6023	0.0085	0.0067	0.008	0.0232
1272	9.41	9.53	4.705	2.7809	0.1166	7.6025	0.01	0.0063	0.0093	0.0256
1273	9.49	9.54	4.7049	2.7808	0.1164	7.602	0.0122	0.0068	0.011	0.03
1274	9.47	9.51	4.705	2.7806	0.1165	7.6021	0.0142	0.0112	0.0122	0.0376
1275	10.1	9.42	4.7049	2.7803	0.1167	7.6019	0.014	0.0214	0.012	0.0475
1276	10	9.36	4.7048	2.7802	0.1169	7.6019	0.016	0.0214	0.0076	0.045
1277	9.53	9.3	4.7044	2.7805	0.1167	7.6016	0.0141	0.0192	0.0076	0.0408
1278	9.8	9.32	4.7045	2.7802	0.1167	7.6014	0.0025	0.0255	0.0098	0.0378
1279	9.37	9.36	4.7049	2.7801	0.117	7.6021	-0.011	0.0306	0.0051	0.0247
1280	9.44	9.37	4.7057	2.7805	0.1174	7.6036	-0.0075	0.0285	0.0026	0.0236
1281	9.64	9.39	4.7061	2.7811	0.1176	7.6047	-0.0035	0.0277	0.0023	0.0265
1282	9.32	9.43	4.7061	2.7816	0.1178	7.6055	0.0023	0.0268	0.0013	0.0304
1283	8.87	9.46	4.706	2.7819	0.1178	7.6056	0.0062	0.0213	-0.0008	0.0267
1284	8.7	9.46	4.706	2.7825	0.1177	7.6062	0.0047	0.0162	-0.0031	0.0179
1285	8.62	9.46	4.7063	2.7828	0.1176	7.6067	-0.001	0.0145	-0.0029	0.0107
1286	8.58	9.48	4.7067	2.7825	0.1176	7.6068	-0.0019	0.0194	-0.0018	0.0156

1287	9.25	9.5	4.7071	2.782	0.1175	7.6066	0.0002	0.0145	-0.0033	0.0114
1288	9.69	9.5	4.7066	2.7819	0.1173	7.6058	0.0086	0.0089	-0.0007	0.0168
1289	9.45	9.5	4.705	2.7826	0.1172	7.6048	0.014	-0.0004	0.0008	0.0144
1290	9.62	9.52	4.704	2.7822	0.1169	7.6032	0.0211	0.0008	0.0004	0.0223
1291	10.2	9.52	4.7041	2.7815	0.117	7.6026	0.0189	-0.0014	-0.0044	0.0131
1292	10	9.53	4.7042	2.7809	0.117	7.6021	0.006	-0.003	-0.01	-0.007
1293	9.49	9.56	4.7038	2.7807	0.1169	7.6014	-0.0011	-0.007	-0.0084	-0.0165
1294	10.2	9.57	4.704	2.7802	0.1167	7.6009	-0.0034	-0.0149	-0.0066	-0.0249
1295	10.4	9.6	4.7043	2.7797	0.1167	7.6007	-0.0002	-0.0155	-0.0087	-0.0245
1296	9.95	9.61	4.7041	2.7794	0.1167	7.6002	0.0059	-0.0156	-0.0093	-0.019
1297	9.73	9.58	4.7032	2.7797	0.1167	7.5996	0.0113	-0.0239	-0.0065	-0.0191
1298	9.39	9.53	4.7027	2.7797	0.1169	7.5994	0.0094	-0.0248	-0.0036	-0.0189
1299	9.85	9.5	4.7032	2.7804	0.1169	7.6005	0.0017	-0.0257	-0.0016	-0.0256
1300	9.72	9.49	4.7045	2.7802	0.1164	7.6012	-0.0043	-0.02	-0.001	-0.0253
1301	9.43	9.45	4.7048	2.7799	0.1159	7.6006	0.0026	-0.0215	-0.0001	-0.019
1302	9.44	9.41	4.7049	2.7799	0.1157	7.6005	0.0159	-0.0274	-0.0015	-0.013
1303	8.92	9.43	4.7044	2.7796	0.1162	7.6001	0.0232	-0.0251	-0.0012	-0.0031
1304	9.13	9.38	4.7045	2.7791	0.1164	7.5999	0.0218	-0.0206	0.0037	0.0049
1305	8.77	9.3	4.7045	2.7794	0.1162	7.6002	0.0055	-0.0168	0.0031	-0.0083
1306	8.67	9.27	4.7042	2.7794	0.1161	7.5997	0.001	-0.0146	0.0015	-0.0121
1307	8.81	9.24	4.7042	2.7794	0.1163	7.5999	0.0017	-0.0088	0.001	-0.0061
1308	8.78	9.23	4.7043	2.7797	0.1166	7.6005	-0.0098	-0.0069	-0.0051	-0.0218
1309	9.42	9.19	4.7045	2.7799	0.1166	7.601	-0.0173	-0.0032	-0.0088	-0.0293
1310	9.43	9.17	4.7045	2.7803	0.1165	7.6014	-0.0272	-0.0061	-0.009	-0.0423
1311	9.38	9.17	4.7043	2.7809	0.1165	7.6018	-0.0343	-0.0058	-0.0078	-0.0478
1312	9.85	9.19	4.7041	2.781	0.1165	7.6016	-0.0264	-0.0033	-0.0073	-0.037
1313	9.14	9.22	4.7039	2.781	0.1165	7.6014	-0.0136	-0.005	-0.0121	-0.0307
1314	8.98	9.29	4.7038	2.7811	0.1164	7.6012	0.0094	-0.0096	-0.0153	-0.0155
1315	9.32	9.32	4.7028	2.781	0.1163	7.6001	0.0142	-0.0139	-0.0172	-0.0168
1316	9.14	9.37	4.7027	2.7807	0.1162	7.5996	0.0146	-0.0133	-0.0184	-0.0171
1317	9.15	9.41	4.7026	2.7802	0.1164	7.5992	0.0008	-0.0149	-0.016	-0.0302
1318	9.21	9.46	4.7024	2.7798	0.1166	7.5988	-0.0224	-0.0188	-0.0125	-0.0537
1319	9.23	9.48	4.7029	2.7798	0.1168	7.5995	-0.0391	-0.012	-0.0122	-0.0633
1320	9.55	9.49	4.7032	2.7797	0.1169	7.5998	-0.0517	-0.0097	-0.0117	-0.0732
1321	9.73	9.47	4.703	2.7799	0.1169	7.5998	-0.0547	-0.011	-0.0082	-0.0738
1322	9.52	9.44	4.703	2.7806	0.1168	7.6004	-0.0422	-0.0094	-0.0051	-0.0568
1323	10.3	9.45	4.7028	2.7809	0.1166	7.6003	-0.03	-0.0067	-0.0036	-0.0402

1324	9.52	9.46	4.7029	2.7802	0.1167	7.5998	-0.0215	-0.0016	-0.0082	-0.0312
1325	9.51	9.46	4.7025	2.7801	0.117	7.5996	-0.0153	0.0013	-0.0098	-0.0238
1326	9.66	9.45	4.7027	2.78	0.1171	7.5999	-0.0154	-0.0009	-0.0101	-0.0263
1327	9.57	9.44	4.7042	2.7795	0.117	7.6007	-0.0105	-0.0081	-0.007	-0.0256
1328	9.79	9.41	4.7062	2.7793	0.1171	7.6026	-0.0055	-0.0115	-0.0072	-0.0243
1329	9.62	9.4	4.7061	2.7798	0.1174	7.6033	0.0039	-0.02	-0.0049	-0.021
1330	9.06	9.38	4.7059	2.78	0.1177	7.6036	0.0139	-0.0238	-0.0022	-0.0121
1331	9.28	9.34	4.7052	2.7804	0.118	7.6036	0.0325	-0.0243	0.0027	0.0109
1332	9.41	9.28	4.7046	2.7813	0.118	7.604	0.0412	-0.0203	0.0067	0.0276
1333	9.11	9.2	4.7044	2.7822	0.1179	7.6045	0.0481	-0.0118	0.01	0.0464
1334	9.31	9.19	4.7052	2.7822	0.1177	7.6052	0.054	-0.0026	0.0103	0.0617
1335	8.88	9.16	4.7058	2.782	0.1175	7.6053	0.0601	0.0046	0.0116	0.0762
1336	9.12	9.12	4.7056	2.7824	0.1175	7.6055	0.064	0.0097	0.0081	0.0818
1337	8.59	9.1	4.7049	2.7824	0.1171	7.6044	0.0753	0.0144	0.0094	0.099
1338	9.05	9.05	4.7044	2.7829	0.117	7.6043	0.0694	0.0129	0.0086	0.0908
1339	9.15	9.02	4.7035	2.7824	0.1171	7.603	0.0579	0.0149	0.0063	0.0791
1340	9.01	9.02	4.7031	2.7827	0.1174	7.6032	0.0446	0.0202	0.0072	0.072
1341	8.41	9.03	4.703	2.7827	0.1175	7.6032	0.0415	0.0134	0.0044	0.0594
1342	8.72	9.03	4.7037	2.7824	0.1173	7.6034	0.0452	0.0071	0.0021	0.0544
1343	9.3	9.05	4.7042	2.7824	0.1169	7.6035	0.0474	0.0056	-0.0008	0.0523
1344	8.95	9.07	4.7033	2.7826	0.1167	7.6026	0.042	0.0062	-0.0044	0.0438
1345	8.93	9.11	4.7023	2.7826	0.1166	7.6015	0.0343	0.0004	-0.0087	0.026
1346	9.18	9.14	4.7019	2.7824	0.1167	7.601	0.0161	-0.0044	-0.0094	0.0024
1347	8.89	9.19	4.7026	2.782	0.1167	7.6013	-0.0038	-0.0087	-0.0101	-0.0226
1348	9.09	9.21	4.704	2.7819	0.1169	7.6028	-0.0271	-0.0057	-0.0092	-0.042
1349	8.94	9.23	4.7049	2.7812	0.117	7.6031	-0.0381	-0.003	-0.0076	-0.0487
1350	9.5	9.24	4.7045	2.7815	0.1169	7.603	-0.0594	0.0085	-0.0127	-0.0635
1351	9.44	9.3	4.7039	2.7815	0.117	7.6024	-0.0582	0.0094	-0.0146	-0.0634
1352	9.48	9.32	4.7033	2.7813	0.1173	7.6019	-0.0561	0.0093	-0.0199	-0.0667
1353	9.65	9.34	4.7032	2.7814	0.1173	7.6019	-0.0473	0.0117	-0.0209	-0.0564
1354	9.65	9.38	4.704	2.7814	0.1175	7.6029	-0.0387	0.012	-0.0181	-0.0448
1355	9.73	9.41	4.704	2.7811	0.1175	7.6027	-0.0287	0.005	-0.0185	-0.0422
1356	9.53	9.46	4.7039	2.781	0.1174	7.6023	-0.0237	0.0012	-0.0222	-0.0447
1357	9.44	9.5	4.7051	2.781	0.1175	7.6035	-0.0278	-0.0035	-0.0251	-0.0564
1358	9.43	9.49	4.7064	2.7809	0.1176	7.6049	-0.0367	-0.0087	-0.0258	-0.0712
1359	9.37	9.47	4.7075	2.7812	0.1176	7.6063	-0.0471	-0.0135	-0.0251	-0.0857
1360	9.38	9.44	4.7082	2.7812	0.1176	7.607	-0.0477	-0.0209	-0.0234	-0.092

1361	9.1	9.4	4.7072	2.7813	0.1177	7.6062	-0.0425	-0.0251	-0.0229	-0.0904
1362	9.75	9.39	4.7061	2.7817	0.1181	7.6059	-0.0311	-0.0236	-0.0201	-0.0748
1363	9.8	9.35	4.7042	2.7824	0.1183	7.6049	-0.0225	-0.0262	-0.0161	-0.0648
1364	9.48	9.32	4.7036	2.783	0.1182	7.6047	-0.0166	-0.03	-0.0169	-0.0635
1365	10	9.25	4.7036	2.783	0.1183	7.605	-0.0142	-0.0298	-0.0171	-0.0611
1366	9.63	9.24	4.7049	2.7827	0.1183	7.6059	-0.0184	-0.0334	-0.017	-0.0688
1367	8.87	9.21	4.7065	2.7827	0.1182	7.6073	-0.014	-0.035	-0.0155	-0.0645
1368	8.66	9.18	4.708	2.7824	0.1181	7.6086	-0.0046	-0.0359	-0.0148	-0.0553
1369	8.97	9.15	4.7091	2.7822	0.118	7.6093	0.0033	-0.0351	-0.0104	-0.0422
1370	8.7	9.13	4.7097	2.782	0.1176	7.6093	0.014	-0.0254	-0.0081	-0.0195
1371	9.22	9.12	4.709	2.7817	0.1173	7.608	0.0152	-0.0118	-0.0096	-0.0063
1372	8.81	9.08	4.708	2.7815	0.1169	7.6065	0.0166	-0.0024	-0.0138	0.0003
1373	9.11	9.05	4.707	2.7809	0.1172	7.6052	0.0247	0.003	-0.0175	0.0102
1374	8.49	9.02	4.7065	2.7805	0.1175	7.6045	0.028	-0.0018	-0.0216	0.0046
1375	9.33	8.97	4.7065	2.7804	0.1177	7.6045	0.039	-0.0188	-0.0221	-0.0019
1376	8.8	8.96	4.7059	2.781	0.1176	7.6044	0.0361	-0.0244	-0.0211	-0.0094
1377	8.91	8.99	4.705	2.7816	0.1174	7.604	0.0247	-0.0306	-0.0215	-0.0274
1378	8.86	9.02	4.7041	2.7822	0.1172	7.6035	0.0125	-0.0441	-0.024	-0.0556
1379	9.01	9.04	4.7035	2.7825	0.1172	7.6033	0.0174	-0.0475	-0.0225	-0.0526
1380	8.89	9.08	4.7024	2.783	0.1171	7.6025	-0.0044	-0.0449	-0.0165	-0.0658
1381	9.02	9.12	4.7019	2.7831	0.1169	7.602	-0.018	-0.038	-0.0101	-0.066
1382	9.21	9.18	4.7013	2.7827	0.1168	7.6008	-0.0203	-0.0314	-0.007	-0.0587
1383	8.84	9.25	4.7006	2.7822	0.1167	7.5994	-0.0209	-0.0201	-0.0089	-0.0499
1384	9.18	9.34	4.7	2.782	0.1165	7.5986	-0.0216	-0.0107	-0.0121	-0.0444
1385	9.39	9.36	4.6999	2.7818	0.1168	7.5985	-0.0095	-0.0113	-0.0153	-0.0362
1386	9.47	9.4	4.6992	2.7811	0.1167	7.5969	-0.0026	-0.0191	-0.0177	-0.0393
1387	9.18	9.43	4.7002	2.7807	0.1166	7.5975	-0.0077	-0.0134	-0.017	-0.0381
1388	9.42	9.45	4.7008	2.7804	0.1167	7.5979	-0.0069	-0.0117	-0.02	-0.0386
1389	9.35	9.46	4.7006	2.7806	0.1165	7.5976	-0.0058	-0.0055	-0.0185	-0.0298
1390	9.98	9.44	4.6999	2.7809	0.1165	7.5972	-0.0049	-0.0088	-0.0142	-0.0279
1391	10.1	9.45	4.6996	2.7808	0.1168	7.5972	0	-0.0024	-0.0107	-0.0131
1392	10.3	9.43	4.6994	2.7803	0.1171	7.5968	0.0046	0.0013	-0.0103	-0.0044
1393	10.2	9.44	4.6996	2.78	0.1173	7.597	0.0158	-0.0021	-0.0132	0.0005
1394	9.86	9.43	4.7006	2.7802	0.1176	7.5983	0.0234	-0.0035	-0.0196	0.0003
1395	9.45	9.41	4.7027	2.7801	0.1176	7.6005	0.0166	0.001	-0.0236	-0.0061
1396	9.42	9.37	4.7045	2.7803	0.1177	7.6025	0.0078	-0.001	-0.0253	-0.0185
1397	9.4	9.36	4.7059	2.7802	0.1176	7.6038	0.0064	-0.0052	-0.026	-0.0248

1398	9.06	9.34	4.7066	2.78	0.1177	7.6043	0.0203	-0.0119	-0.026	-0.0175
1399	8.64	9.34	4.7091	2.7795	0.1182	7.6068	0.0351	-0.0121	-0.0241	-0.0011
1400	9.04	9.27	4.7103	2.7793	0.1179	7.6075	0.0393	-0.018	-0.0211	0.0001
1401	9.02	9.19	4.7104	2.779	0.1179	7.6073	0.032	-0.0239	-0.0209	-0.0127
1402	8.87	9.14	4.7096	2.7787	0.1178	7.6061	0.0144	-0.0215	-0.0184	-0.0255
1403	9	9.06	4.7083	2.7784	0.118	7.6046	0.0108	-0.0306	-0.015	-0.0349
1404	9	9.01	4.7074	2.7786	0.1182	7.6042	0.0098	-0.0278	-0.0147	-0.0326
1405	8.86	8.96	4.7069	2.7793	0.1184	7.6046	0.0188	-0.0259	-0.0135	-0.0206
1406	8.95	8.95	4.7069	2.7798	0.1186	7.6053	0.0224	-0.0258	-0.0135	-0.0169
1407	8.95	8.92	4.7078	2.7803	0.1189	7.607	0.0218	-0.0267	-0.0146	-0.0196
1408	9.42	8.92	4.709	2.7811	0.1191	7.6091	0.0333	-0.0289	-0.0137	-0.0094
1409	8.71	8.98	4.7093	2.782	0.1189	7.6103	0.0436	-0.0311	-0.0136	-0.001
1410	8.51	9.03	4.7088	2.7828	0.1188	7.6104	0.0497	-0.0295	-0.0125	0.0078
1411	9.33	9.08	4.7074	2.7833	0.1185	7.6092	0.0472	-0.0307	-0.0112	0.0054
1412	8.66	9.16	4.7064	2.7836	0.1181	7.6081	0.0288	-0.0291	-0.0064	-0.0067
1413	8.95	9.24	4.7056	2.784	0.1182	7.6077	0.0139	-0.0253	-0.0007	-0.012
1414	8.45	9.28	4.7052	2.7841	0.1181	7.6074	-0.0035	-0.015	0.0024	-0.016
1415	9.33	9.35	4.7047	2.7843	0.118	7.607	0.0024	-0.0101	-0.0003	-0.008
1416	8.77	9.41	4.7041	2.7842	0.1178	7.606	0.0116	-0.0085	0.0026	0.0057
1417	9.07	9.47	4.7031	2.7838	0.1179	7.6047	0.0235	-0.0091	0.0029	0.0173
1418	9.7	9.5	4.7021	2.7833	0.1176	7.6031	0.041	-0.0031	0.0009	0.0388
1419	9.98	9.55	4.7015	2.7823	0.1176	7.6014	0.0644	0.004	0.0001	0.0685
1420	10.1	9.61	4.7017	2.7808	0.1179	7.6004	0.0782	0.0077	-0.0059	0.08
1421	10.3	9.6	4.7013	2.7802	0.1183	7.5998	0.0842	0.009	-0.0128	0.0804
1422	10.6	9.62	4.7005	2.7803	0.1186	7.5994	0.0758	0.0111	-0.015	0.0719
1423	9.7	9.63	4.7	2.7811	0.1188	7.5999	0.066	0.0126	-0.0176	0.061
1424	10.3	9.66	4.699	2.7821	0.1189	7.6	0.0573	0.0039	-0.0152	0.0461
1425	10.1	9.66	4.6989	2.7825	0.1191	7.6005	0.0511	-0.0067	-0.012	0.0324
1426	10	9.71	4.7003	2.7831	0.1192	7.6026	0.0485	-0.0105	-0.0091	0.029
1427	9.99	9.72	4.7029	2.7839	0.1194	7.6063	0.0387	-0.0048	-0.0084	0.0256
1428	9.74	9.75	4.7044	2.7841	0.1194	7.6079	0.03	0.0035	-0.0119	0.0216
1429	9.62	9.71	4.7066	2.7842	0.1191	7.6099	0.016	0.0095	-0.0147	0.0107
1430	9.1	9.67	4.7077	2.7838	0.1187	7.6102	-0.0031	0.0146	-0.014	-0.0025
1431	9.07	9.62	4.7073	2.7835	0.1187	7.6095	-0.023	0.0208	-0.0153	-0.0176
1432	9.14	9.55	4.7067	2.7833	0.1189	7.6089	-0.033	0.0214	-0.0187	-0.0304
1433	8.94	9.52	4.7065	2.7833	0.1191	7.6089	-0.0409	0.0154	-0.0189	-0.0445
1434	9.49	9.45	4.7062	2.7834	0.1193	7.6088	-0.0427	0.0127	-0.0175	-0.0474

1435	9.58	9.39	4.706	2.7839	0.1193	7.6092	-0.0413	0.0123	-0.0186	-0.0476
1436	9.38	9.35	4.7064	2.7837	0.1192	7.6093	-0.0386	0.0103	-0.0165	-0.0447
1437	10.1	9.32	4.7056	2.7836	0.1191	7.6083	-0.0444	0.0009	-0.0169	-0.0605
1438	9.3	9.3	4.705	2.7835	0.1188	7.6073	-0.0332	0	-0.0199	-0.0531
1439	9.29	9.3	4.704	2.7833	0.1185	7.6058	-0.0218	-0.0042	-0.0213	-0.0473
1440	9.27	9.33	4.7031	2.783	0.1184	7.6045	-0.0197	-0.0087	-0.026	-0.0544
1441	9.3	9.34	4.7025	2.7826	0.1185	7.6036	-0.0345	-0.0078	-0.0251	-0.0674
1442	9.04	9.36	4.7021	2.7826	0.1186	7.6033	-0.0551	-0.0119	-0.0211	-0.0881
1443	9.01	9.42	4.7019	2.7828	0.1188	7.6035	-0.0655	-0.0134	-0.0168	-0.0957
1444	8.94	9.44	4.7017	2.7825	0.1191	7.6033	-0.0712	-0.0098	-0.0112	-0.0922
1445	9.2	9.45	4.7016	2.7827	0.1192	7.6034	-0.069	-0.0054	-0.0074	-0.0819
1446	9.54	9.47	4.7012	2.7829	0.1193	7.6035	-0.0505	-0.0028	-0.0066	-0.06
1447	9.31	9.43	4.7006	2.7832	0.1193	7.6031	-0.0331	0.0008	-0.0049	-0.0372
1448	9.58	9.44	4.7005	2.7831	0.1193	7.6029	-0.0226	0.0027	-0.004	-0.024
1449	9.69	9.47	4.701	2.783	0.1191	7.6031	-0.0216	0.0004	-0.0039	-0.0251
1450	9.31	9.49	4.7013	2.7839	0.119	7.6042	0.0087	-0.0022	0.0009	0.0074
1451	9.58	9.51	4.7025	2.7836	0.1189	7.605	0.0349	-0.0052	-0.002	0.0277
1452	10	9.59	4.7022	2.7844	0.1188	7.6054	0.0439	-0.0023	-0.0021	0.0395
1453	9.86	9.64	4.7022	2.7841	0.1188	7.6052	0.0284	-0.0046	-0.0016	0.0222
1454	9.81	9.76	4.7021	2.784	0.1188	7.6049	0.005	-0.0061	0.002	0.001
1455	9.81	9.82	4.7018	2.7837	0.1189	7.6044	0.0058	-0.0074	0.0057	0.0041
1456	9.31	9.84	4.7017	2.7837	0.1189	7.6043	0.0155	-0.0015	0.0055	0.0196
1457	9.56	9.88	4.7018	2.7839	0.1188	7.6045	0.0221	0.0011	0.0039	0.0271
1458	9.77	9.89	4.702	2.784	0.1189	7.605	0.0362	0.0019	0.0059	0.044
1459	9.62	9.91	4.7026	2.7841	0.1188	7.6055	0.0425	0.0083	0.0104	0.0612
1460	9.74	9.97	4.7034	2.7843	0.1187	7.6064	0.0454	0.0138	0.0123	0.0715
1461	10.5	10	4.7043	2.7842	0.1183	7.6069	0.0573	0.0207	0.0121	0.0901
1462	10.1	10	4.7047	2.7842	0.1182	7.6071	0.06	0.0243	0.0074	0.0917
1463	11.2	10	4.7045	2.7839	0.1181	7.6065	0.0525	0.0254	0.0013	0.0792
1464	10.2	10	4.7034	2.784	0.1182	7.6055	0.0465	0.027	0.0038	0.0774
1465	10	10	4.7025	2.7839	0.1181	7.6044	0.0483	0.0168	0.0061	0.0713
1466	9.95	10	4.7025	2.7836	0.118	7.6042	0.0524	0.0233	0.0077	0.0834
1467	9.89	10.1	4.7024	2.783	0.1181	7.6034	0.0512	0.0251	0.0045	0.0809
1468	9.97	10.1	4.7016	2.782	0.1181	7.6017	0.047	0.027	0.0045	0.0786
1469	10.5	10.1	4.7012	2.7814	0.1186	7.6013	0.0435	0.0253	0.0016	0.0704
1470	10.6	10.1	4.7013	2.7811	0.1189	7.6012	0.0312	0.0192	0.0005	0.0509
1471	9.93	10	4.7014	2.7806	0.1188	7.6008	0.0201	0.0105	0.0038	0.0344

1472	9.63	9.97	4.7014	2.7803	0.1187	7.6004	0.0105	0.013	0.0077	0.0312
1473	10	9.87	4.7013	2.7805	0.1187	7.6006	0.0017	0.0157	0.0087	0.0261
1474	9.77	9.81	4.7014	2.7812	0.1187	7.6013	-0.0038	0.0233	0.0084	0.0279
1475	9.84	9.77	4.7016	2.7814	0.1186	7.6016	-0.0165	0.0407	0.0099	0.0341
1476	10.2	9.73	4.702	2.7815	0.1184	7.6019	-0.0109	0.0429	0.013	0.0449
1477	9.72	9.68	4.702	2.7813	0.1186	7.6019	-0.0012	0.0459	0.0134	0.0581
1478	9.83	9.64	4.7025	2.7812	0.1187	7.6025	0.0191	0.0532	0.0171	0.0894
1479	9.55	9.55	4.7038	2.7811	0.1186	7.6035	0.0165	0.0543	0.0179	0.0887
1480	9.59	9.47	4.7048	2.7809	0.1187	7.6043	0.0339	0.059	0.0171	0.1099
1481	9.04	9.41	4.7052	2.7809	0.1188	7.605	0.0466	0.0522	0.0149	0.1138
1482	9.35	9.37	4.7054	2.7812	0.1187	7.6053	0.0524	0.0458	0.017	0.1151
1483	9.09	9.33	4.7048	2.7809	0.1185	7.6042	0.0564	0.0429	0.0186	0.1179
1484	9.17	9.29	4.7041	2.7808	0.1184	7.6033	0.0622	0.0412	0.0189	0.1223
1485	9.16	9.24	4.7038	2.7808	0.1184	7.603	0.0647	0.0412	0.0192	0.125
1486	9.13	9.17	4.7036	2.781	0.1184	7.603	0.0627	0.0463	0.0154	0.1244
1487	9.04	9.11	4.7035	2.7807	0.1186	7.6028	0.0659	0.041	0.0076	0.1144
1488	8.84	9.05	4.703	2.7808	0.1188	7.6026	0.0595	0.0338	0.0049	0.0982
1489	9.05	8.99	4.7026	2.7814	0.1191	7.6031	0.0529	0.0252	0.0071	0.0852
1490	8.77	8.96	4.7033	2.7817	0.119	7.604	0.0441	0.0246	0.0058	0.0745
1491	8.9	8.97	4.7051	2.782	0.1189	7.606	0.0314	0.0175	0.0052	0.054
1492	9.14	8.93	4.706	2.7816	0.1188	7.6064	0.0245	0.0104	0.0055	0.0404
1493	9.09	8.9	4.7068	2.781	0.1185	7.6062	0.0218	0.0092	0.0078	0.0389
1494	8.9	8.89	4.7075	2.7807	0.1183	7.6065	0.024	0.009	0.0121	0.0451
1495	8.86	8.91	4.7077	2.7804	0.1183	7.6065	0.0189	0.0045	0.0164	0.0398
1496	8.61	8.93	4.7078	2.7802	0.1182	7.6062	0.0141	0.0105	0.0182	0.0428
1497	8.68	8.94	4.7082	2.78	0.118	7.6062	0.0119	0.0221	0.0187	0.0527
1498	8.38	8.98	4.7087	2.78	0.1181	7.6068	0.0042	0.0337	0.0196	0.0576
1499	9.06	9.02	4.7083	2.7797	0.1181	7.6061	0.0027	0.0432	0.0193	0.0652
1500	9.15	9.06	4.7068	2.7798	0.1181	7.6047	0.0085	0.0458	0.0155	0.0699
1501	8.74	9.07	4.706	2.7792	0.1181	7.6033	0.015	0.054	0.014	0.083
1502	8.42	9.07	4.7067	2.7792	0.118	7.6039	0.0257	0.0502	0.0129	0.0887
1503	9.02	9.06	4.7078	2.779	0.1178	7.6045	0.019	0.0545	0.0089	0.0824
1504	9.48	9.12	4.7068	2.7793	0.1177	7.6037	0.0179	0.0501	0.0061	0.0742
1505	9.49	9.15	4.7053	2.7794	0.1179	7.6027	0.0162	0.0451	0.0077	0.069
1506	9.29	9.22	4.7047	2.7797	0.1182	7.6026	0.0235	0.0392	0.0089	0.0717
1507	9.53	9.27	4.7042	2.7801	0.1183	7.6026	0.031	0.0341	0.006	0.0711
1508	9.87	9.33	4.7047	2.7802	0.118	7.603	0.0312	0.0323	0.0054	0.0689

1509	9.56	9.37	4.7047	2.7807	0.1177	7.6031	0.0279	0.0292	0.0074	0.0645
1510	9.13	9.42	4.703	2.7808	0.1176	7.6014	0.0226	0.0282	0.0075	0.0582
1511	9	9.49	4.7014	2.7809	0.1178	7.6001	0.022	0.03	0.0068	0.0589
1512	8.98	9.58	4.7011	2.7811	0.118	7.6002	0.0222	0.0291	0.0049	0.0562
1513	10.1	9.61	4.7009	2.7813	0.1178	7.6	0.0231	0.034	0.0065	0.0636
1514	9.37	9.64	4.7004	2.7824	0.1175	7.6002	0.0223	0.033	0.0042	0.0595
1515	9.85	9.71	4.6994	2.782	0.1172	7.5986	0.0106	0.0289	0.0049	0.0443
1516	9.61	9.76	4.6989	2.7817	0.1173	7.5979	-0.0011	0.0279	0.0038	0.0306
1517	9.69	9.78	4.6984	2.7811	0.1174	7.5969	0.0005	0.0275	0.003	0.031
1518	9.82	9.76	4.6977	2.7808	0.1175	7.596	0.0022	0.0201	0.0007	0.023
1519	10	9.73	4.6984	2.7804	0.1175	7.5963	-0.0032	0.0085	-0.0018	0.0035
1520	10.1	9.73	4.6997	2.7798	0.1175	7.597	-0.0045	-0.0003	0.004	-0.0009
1521	10.1	9.72	4.7003	2.7789	0.1175	7.5967	-0.0014	-0.0087	0.0094	-0.0007
1522	9.62	9.73	4.7003	2.7787	0.1177	7.5967	0.002	-0.0162	0.0102	-0.0039
1523	10	9.68	4.7004	2.7787	0.118	7.5971	0.0026	-0.018	0.01	-0.0055
1524	10.8	9.64	4.7006	2.778	0.1179	7.5966	0.0055	-0.0125	0.0107	0.0037
1525	10.2	9.57	4.7	2.7783	0.1178	7.5961	0.0111	-0.0022	0.0102	0.0191
1526	9.96	9.54	4.7004	2.7785	0.1179	7.5968	0.0211	0.0037	0.009	0.0338
1527	9.44	9.53	4.701	2.7786	0.1177	7.5973	0.0268	0.0086	0.01	0.0454
1528	9.11	9.47	4.7028	2.7786	0.1176	7.599	0.0255	0.0031	0.0152	0.0438
1529	9.08	9.42	4.7032	2.7783	0.1174	7.5989	0.0286	0.006	0.0167	0.0513
1530	8.9	9.4	4.703	2.7786	0.1172	7.5988	0.0446	0.0102	0.0157	0.0705
1531	9	9.36	4.702	2.7789	0.117	7.5979	0.0578	0.0112	0.0146	0.0836
1532	9.21	9.33	4.7011	2.779	0.117	7.5972	0.0571	0.0141	0.0144	0.0856
1533	8.73	9.28	4.7003	2.7792	0.1173	7.5967	0.0536	0.0196	0.0107	0.0839
1534	8.52	9.19	4.6997	2.7793	0.1174	7.5963	0.0403	0.0217	0.0062	0.0682
1535	8.92	9.13	4.6997	2.7793	0.1178	7.5968	0.0341	0.0226	0.0022	0.0588
1536	9.49	9.11	4.6998	2.7796	0.1184	7.5979	0.0322	0.022	-0.0039	0.0503
1537	8.71	9.12	4.6996	2.7802	0.1186	7.5984	0.0347	0.0116	-0.0089	0.0374
1538	9.18	9.14	4.6997	2.781	0.1181	7.5988	0.0271	-0.0023	-0.0057	0.0192
1539	9.74	9.16	4.6996	2.7808	0.1179	7.5983	0.012	-0.0079	-0.002	0.0021
1540	9.25	9.18	4.7	2.7812	0.1179	7.5991	-0.0104	-0.0027	0.0009	-0.0122
1541	9.03	9.2	4.7001	2.7815	0.118	7.5996	-0.006	-0.0003	-0.0012	-0.0076
1542	9.19	9.21	4.6999	2.7817	0.1179	7.5994	0.0095	-0.0023	-0.002	0.0052
1543	9.04	9.28	4.6995	2.7818	0.1176	7.599	0.0214	-0.0065	-0.0034	0.0114
1544	9.03	9.36	4.6998	2.7821	0.1174	7.5993	0.0319	-0.0187	-0.0064	0.0067
1545	9.54	9.42	4.7002	2.7816	0.1173	7.5991	0.0389	-0.025	-0.0078	0.0061

1546	9.59	9.44	4.7	2.7807	0.1174	7.5982	0.0416	-0.0307	-0.0086	0.0024
1547	9.44	9.49	4.7002	2.7798	0.1173	7.5973	0.0528	-0.0362	-0.0098	0.0068
1548	9.49	9.51	4.7002	2.7788	0.1174	7.5964	0.0684	-0.0382	-0.0106	0.0195
1549	9.26	9.49	4.7001	2.7784	0.1176	7.5961	0.0742	-0.0401	-0.0073	0.0268
1550	9.51	9.48	4.6998	2.7785	0.1176	7.5959	0.0665	-0.0422	-0.0038	0.0204
1551	9.32	9.46	4.6999	2.7786	0.1176	7.5961	0.052	-0.0394	-0.0022	0.0104
1552	10.1	9.47	4.7003	2.7789	0.1179	7.5971	0.0451	-0.0424	-0.0003	0.0024
1553	9.98	9.48	4.7004	2.7791	0.1182	7.5978	0.0553	-0.0414	0.0007	0.0146
1554	10	9.51	4.7005	2.7795	0.1181	7.598	0.0679	-0.0389	0.0027	0.0317
1555	9.88	9.5	4.6994	2.7798	0.118	7.5972	0.0625	-0.0274	0.0036	0.0387
1556	9.65	9.54	4.6986	2.7802	0.1183	7.5971	0.057	-0.0222	0.0068	0.0416
1557	9.53	9.57	4.6986	2.7806	0.1183	7.5976	0.0592	-0.0096	0.0102	0.0598
1558	9.51	9.58	4.6992	2.7811	0.1182	7.5985	0.0541	0.0058	0.0125	0.0723
1559	8.96	9.62	4.7003	2.7813	0.1181	7.5997	0.0604	0.0134	0.0051	0.0789
1560	8.73	9.67	4.7012	2.7813	0.118	7.6005	0.0588	0.0148	0.0005	0.0741
1561	9.32	9.7	4.7021	2.7813	0.1178	7.6013	0.0284	0.0131	0.0021	0.0436
1562	9.24	9.69	4.7024	2.7808	0.1176	7.6007	-0.0048	0.0153	0.0069	0.0173
1563	9.58	9.67	4.7023	2.7806	0.1177	7.6006	-0.022	0.0191	0.0125	0.0096
1564	9.43	9.64	4.7023	2.7811	0.1177	7.6011	-0.0264	0.0287	0.0098	0.0121
1565	10.3	9.62	4.7026	2.7811	0.1177	7.6014	-0.0322	0.0451	0.0026	0.0154
1566	10.1	9.61	4.7025	2.7809	0.1177	7.6011	-0.0345	0.04	0	0.0055
1567	9.6	9.6	4.7022	2.7809	0.118	7.6011	-0.0291	0.0406	-0.0045	0.0069
1568	9.98	9.63	4.7019	2.7812	0.1183	7.6014	-0.0251	0.0371	-0.005	0.007
1569	10.5	9.7	4.7017	2.7815	0.1182	7.6013	-0.027	0.0346	-0.0045	0.0031
1570	10	9.75	4.7014	2.7819	0.118	7.6013	-0.016	0.0277	-0.0068	0.0048
1571	9.78	9.76	4.7012	2.7822	0.1177	7.6012	-0.0036	0.0178	-0.0107	0.0036
1572	9.72	9.77	4.7012	2.7821	0.1177	7.6009	0.0001	0.0008	-0.0092	-0.0084
1573	9.38	9.75	4.7008	2.7818	0.1176	7.6002	-0.0047	-0.0096	-0.0066	-0.0208
1574	9.59	9.74	4.7003	2.7814	0.1177	7.5993	-0.008	-0.0088	-0.0025	-0.0192
1575	9.48	9.69	4.6995	2.781	0.1177	7.5982	-0.0144	-0.0178	-0.0013	-0.0335
1576	9.31	9.65	4.6993	2.7806	0.1174	7.5973	-0.0393	-0.02	-0.0006	-0.06
1577	9.99	9.62	4.6994	2.781	0.1171	7.5975	-0.0442	-0.0125	0.0031	-0.0536
1578	10.4	9.58	4.6997	2.7806	0.117	7.5973	-0.0379	-0.012	0.0019	-0.0479
1579	9.68	9.48	4.6994	2.78	0.117	7.5965	-0.0186	-0.0134	0.0032	-0.0288
1580	9.33	9.43	4.699	2.7798	0.1172	7.5959	-0.0094	-0.0229	0.0018	-0.0306
1581	9.54	9.41	4.6995	2.7795	0.1174	7.5964	-0.0091	-0.0198	-0.0009	-0.0298
1582	9.24	9.34	4.7	2.7792	0.1176	7.5969	-0.0155	-0.0115	-0.0065	-0.0336

1583	9.2	9.3	4.7008	2.7787	0.1178	7.5974	-0.023	-0.0097	-0.0082	-0.0409
1584	9.26	9.23	4.7007	2.7785	0.1182	7.5974	-0.0193	-0.009	-0.0095	-0.0377
1585	9.27	9.18	4.7005	2.7786	0.1188	7.5979	-0.0106	-0.0069	-0.0078	-0.0253
1586	9.07	9.17	4.7001	2.7798	0.1193	7.5993	-0.0053	-0.0087	-0.0009	-0.0149
1587	9.16	9.15	4.7008	2.7809	0.1192	7.6009	-0.0081	-0.0077	0.008	-0.0078
1588	8.74	9.1	4.7018	2.7816	0.119	7.6024	-0.0117	-0.0043	0.009	-0.0071
1589	9.1	9.12	4.7036	2.7817	0.119	7.6043	-0.0084	0.0027	0.0043	-0.0014
1590	9.23	9.15	4.7039	2.7817	0.1191	7.6047	-0.0029	0.0033	0.0033	0.0036
1591	8.49	9.18	4.7042	2.7822	0.1191	7.6055	0.0112	0.009	0.0055	0.0256
1592	8.56	9.22	4.7038	2.7823	0.1191	7.6053	0.0156	0.0162	0.0084	0.0403
1593	8.37	9.24	4.7036	2.7829	0.1191	7.6056	0.007	0.0276	0.005	0.0396
1594	8.38	9.32	4.7036	2.7832	0.1191	7.6059	-0.0027	0.0277	0.0052	0.0302
1595	9.17	9.36	4.7036	2.7835	0.1192	7.6062	0.0028	0.0379	0.004	0.0448
1596	9.58	9.4	4.7025	2.7838	0.1192	7.6055	0.011	0.038	-0.005	0.0441
1597	9.57	9.45	4.7014	2.7838	0.1191	7.6042	0.0159	0.0267	-0.0084	0.0342
1598	10	9.53	4.7013	2.784	0.1188	7.6041	0.019	0.007	-0.0054	0.0206
1599	9.97	9.61	4.7016	2.784	0.1185	7.6041	0.0169	-0.0061	-0.0037	0.0071
1600	10.1	9.68	4.7016	2.7837	0.1183	7.6037	0.0202	-0.0098	-0.0012	0.0092
1601	10	9.76	4.7015	2.7834	0.1181	7.6031	0.0224	-0.0132	-0.0011	0.0081
1602	9.51	9.85	4.7012	2.7833	0.1179	7.6024	0.0171	-0.0165	0.0005	0.0011
1603	10.8	9.94	4.701	2.7829	0.1175	7.6013	0.0142	-0.0129	0.0053	0.0066
1604	10	10	4.7005	2.7821	0.1173	7.5999	0.0123	-0.0093	0.0061	0.0091
1605	9.85	10	4.6996	2.7817	0.1172	7.5985	0.0128	-0.0024	0.0029	0.0133
1606	10.1	10	4.6988	2.7806	0.1172	7.5966	0.0086	0.0029	0.0021	0.0136
1607	10.2	9.97	4.6988	2.7795	0.1171	7.5954	0.0038	0.0083	0.0041	0.0162
1608	10.6	9.91	4.6987	2.7789	0.1175	7.5951	0.0006	0.0181	0.004	0.0227
1609	10.5	9.85	4.6989	2.7792	0.1177	7.5957	0	0.0241	0.0072	0.0313
1610	10.1	9.81	4.7002	2.7794	0.1174	7.597	0.0073	0.0266	0.0113	0.0452
1611	10.2	9.77	4.7019	2.7793	0.1171	7.5983	0.0192	0.0249	0.0048	0.0488
1612	10.1	9.74	4.7033	2.7792	0.1167	7.5992	0.0265	0.026	0.0002	0.0528
1613	10.1	9.64	4.7035	2.7784	0.1168	7.5988	0.0258	0.021	-0.0025	0.0444
1614	9.51	9.61	4.7036	2.7779	0.1172	7.5987	0.0194	0.0191	0.0021	0.0406
1615	8.95	9.58	4.7029	2.778	0.1172	7.5981	0.0165	0.023	0.004	0.0435
1616	8.71	9.51	4.7018	2.7776	0.1178	7.5972	0.0167	0.0201	0.0029	0.0397
1617	8.84	9.43	4.7009	2.7774	0.1179	7.5962	0.0111	0.0164	0.0017	0.0292
1618	8.8	9.38	4.7004	2.7773	0.1179	7.5957	0.0085	0.0151	0.0025	0.0261
1619	9.34	9.31	4.7	2.7777	0.1182	7.5959	0.0122	0.0131	0.0062	0.0315

1620	9.3	9.25	4.7	2.778	0.1186	7.5966	0.0153	0.009	0.0073	0.0316
1621	8.95	9.17	4.7003	2.7788	0.1185	7.5975	0.0093	0.0068	0.0065	0.0227
1622	8.93	9.13	4.7008	2.7797	0.1184	7.5988	0.0044	0.0154	0.0044	0.0242
1623	9.43	9.08	4.7012	2.7796	0.1182	7.599	0.0005	0.0215	0.0041	0.0261
1624	9.27	9.06	4.7021	2.7798	0.118	7.6	-0.0082	0.014	0.005	0.0108
1625	8.77	9.09	4.7039	2.7803	0.1179	7.602	-0.0201	0.0112	0.0038	-0.0051
1626	8.82	9.15	4.7048	2.7798	0.1176	7.6022	-0.0318	0.0091	0.0043	-0.0184
1627	9.51	9.2	4.7048	2.7798	0.1175	7.6021	-0.0322	0.0035	0.0029	-0.0258
1628	9.25	9.24	4.7046	2.78	0.1173	7.6019	-0.0279	0.0072	0.0018	-0.0189
1629	8.96	9.27	4.7041	2.7806	0.1172	7.602	-0.0236	0.005	0.0015	-0.0172
1630	8.73	9.28	4.7039	2.7806	0.1173	7.6018	-0.0287	0.0019	0.0019	-0.025
1631	9.29	9.34	4.7036	2.7801	0.1176	7.6013	-0.0351	0.0009	0.0049	-0.0294
1632	9.19	9.36	4.7034	2.78	0.1179	7.6012	-0.0356	-0.0037	0.0059	-0.0334
1633	9.15	9.37	4.7022	2.7801	0.1182	7.6005	-0.0311	-0.0053	0.0082	-0.0281
1634	9.44	9.35	4.7008	2.78	0.1181	7.5989	-0.0205	-0.0049	0.0113	-0.0141
1635	9.9	9.39	4.7003	2.7802	0.1179	7.5983	-0.018	-0.0122	0.0158	-0.0145
1636	9.75	9.43	4.7006	2.7804	0.1176	7.5986	-0.0187	-0.0159	0.0248	-0.0098
1637	9.55	9.44	4.7008	2.7806	0.1177	7.5991	-0.0266	-0.0018	0.0299	0.0015
1638	9.87	9.48	4.7005	2.7807	0.1177	7.5989	-0.0182	0.0084	0.0285	0.0188
1639	9.61	9.54	4.6999	2.7805	0.1176	7.5979	-0.0004	0.0169	0.0255	0.042
1640	9.98	9.59	4.6989	2.7803	0.1174	7.5966	0.0229	0.0225	0.022	0.0674
1641	9.4	9.58	4.6985	2.7799	0.1171	7.5956	0.0285	0.0281	0.0224	0.0789
1642	9.5	9.58	4.6992	2.7789	0.1174	7.5955	0.029	0.0358	0.021	0.0857
1643	9.01	9.59	4.6998	2.7791	0.1171	7.596	0.0222	0.0371	0.0215	0.0808
1644	9.43	9.56	4.6995	2.7783	0.117	7.5948	0.0146	0.0388	0.0225	0.076
1645	9.68	9.48	4.699	2.7778	0.1178	7.5947	0.0133	0.0408	0.0215	0.0756
1646	9.63	9.43	4.6985	2.7781	0.1182	7.5948	0.0178	0.0449	0.0192	0.082
1647	10	9.39	4.6983	2.7791	0.1179	7.5953	0.0155	0.0462	0.0193	0.081
1648	10.1	9.34	4.6985	2.7794	0.1177	7.5957	0.0056	0.0434	0.0213	0.0703
1649	9.63	9.34	4.6981	2.7794	0.1177	7.5952	0.0005	0.0511	0.02	0.0716
1650	9.13	9.31	4.6976	2.7798	0.1177	7.5951	0.0041	0.0681	0.0168	0.0891
1651	9.28	9.3	4.6982	2.7802	0.1175	7.596	0.0072	0.0674	0.0111	0.0857
1652	9.26	9.34	4.6989	2.7802	0.1174	7.5965	0.0063	0.064	0.0062	0.0765
1653	8.81	9.39	4.6992	2.7801	0.1176	7.5968	0.0058	0.0581	0.0034	0.0674
1654	8.5	9.4	4.6992	2.7797	0.1178	7.5967	0.0081	0.0489	0.0014	0.0584
1655	8.78	9.37	4.6985	2.7795	0.1178	7.5959	0.0102	0.0374	0.0002	0.0478
1656	8.72	9.37	4.6982	2.7794	0.1179	7.5955	0.0025	0.0321	-0.0026	0.032

1657	9.07	9.36	4.6986	2.7788	0.1179	7.5953	-0.0144	0.0219	-0.0031	0.0044
1658	9.55	9.36	4.6992	2.7787	0.1175	7.5954	-0.0106	0.0049	-0.0013	-0.007
1659	9.47	9.38	4.6996	2.7786	0.117	7.5952	-0.0053	-0.004	0.0077	-0.0017
1660	9.25	9.42	4.6993	2.7788	0.1176	7.5957	-0.0003	0.0015	0.0085	0.0097
1661	10.1	9.46	4.6995	2.7787	0.1178	7.596	0.0133	0.0077	0.0064	0.0273
1662	9.98	9.51	4.6998	2.7787	0.1178	7.5963	0.0293	0.0115	0.0021	0.0429
1663	9.64	9.57	4.7004	2.7787	0.1175	7.5965	0.0477	0.0106	-0.0008	0.0576
1664	9.12	9.65	4.7006	2.7788	0.1173	7.5967	0.0534	0.0003	0.0003	0.054
1665	9.71	9.72	4.7009	2.7791	0.1174	7.5974	0.0629	-0.0103	0.0064	0.059
1666	9.74	9.77	4.7014	2.7793	0.1176	7.5982	0.0584	-0.0103	0.0089	0.0569
1667	10.1	9.83	4.7014	2.7794	0.1177	7.5985	0.0517	-0.0127	0.0131	0.0521
1668	9.94	9.84	4.7007	2.7799	0.1176	7.5982	0.0431	-0.0047	0.0157	0.0541
1669	9.81	9.86	4.7002	2.7806	0.1174	7.5982	0.0387	0.0004	0.0149	0.054
1670	10.1	9.91	4.7005	2.7812	0.1173	7.599	0.0301	0.0038	0.0169	0.0509
1671	10.3	9.94	4.7008	2.7807	0.1173	7.5988	0.0267	0.004	0.0207	0.0514
1672	9.91	9.98	4.7011	2.7799	0.1173	7.5983	0.0281	0.0161	0.0185	0.0627
1673	10.1	10.1	4.7016	2.7804	0.1171	7.5991	0.0264	0.0266	0.0134	0.0664
1674	10.1	10.1	4.7023	2.7803	0.1173	7.5999	0.0256	0.0302	0.0079	0.0637
1675	9.69	10.2	4.7027	2.7801	0.1173	7.6001	0.0385	0.0319	0.0031	0.0735
1676	10.2	10.2	4.7025	2.7803	0.1171	7.5999	0.0599	0.0313	-0.0027	0.0884
1677	9.72	10.2	4.7022	2.7803	0.1169	7.5994	0.0701	0.0264	-0.0052	0.0913
1678	9.74	10.3	4.702	2.7801	0.1168	7.599	0.0583	0.0211	-0.007	0.0725
1679	10.3	10.2	4.7023	2.7799	0.1168	7.599	0.0322	0.0148	-0.0051	0.042
1680	10.7	10.3	4.7025	2.7797	0.1167	7.5989	0.0146	0.0214	-0.0009	0.0351
1681	10.7	10.2	4.7031	2.7799	0.1168	7.5998	0.0142	0.0212	0.001	0.0364
1682	11.1	10.2	4.7031	2.7798	0.1168	7.5997	0.0167	0.0172	0.0051	0.039
1683	10.8	10.2	4.7028	2.7792	0.1167	7.5988	0.0209	0.0164	0.0088	0.0462
1684	10.4	10.2	4.7025	2.7797	0.1166	7.5989	0.0178	0.0178	0.0106	0.0461
1685	10.6	10.2	4.7024	2.7802	0.1163	7.5989	0.0113	0.0211	0.0079	0.0403
1686	10.4	10.2	4.7028	2.78	0.1163	7.5991	0.0064	0.0207	0.0041	0.0312
1687	10.4	10.2	4.7026	2.7801	0.1163	7.599	0.0075	0.0205	0.0044	0.0323
1688	9.62	10.2	4.7018	2.7799	0.1165	7.5982	0.0111	0.0256	0.001	0.0378
1689	10.2	10.1	4.7013	2.7794	0.1168	7.5975	0.0148	0.0308	-0.0026	0.043
1690	9.85	10.1	4.7011	2.7789	0.1169	7.5968	0.0074	0.0247	-0.0051	0.027
1691	9.97	10.1	4.7013	2.7786	0.117	7.5969	-0.0095	0.0168	-0.0056	0.0018
1692	9.79	10.1	4.7016	2.7786	0.117	7.5972	-0.0208	0.0091	-0.0056	-0.0172
1693	9.77	10	4.7021	2.779	0.1168	7.598	-0.0166	-0.0035	-0.0012	-0.0213

1694	9.64	10	4.7022	2.7791	0.117	7.5983	-0.0202	0.0001	0.0006	-0.0194
1695	9.63	9.99	4.7018	2.779	0.1172	7.598	-0.0207	-0.0121	0.002	-0.0308
1696	9.42	9.99	4.701	2.7792	0.1172	7.5974	-0.02	-0.0161	0.0076	-0.0285
1697	10.2	9.95	4.7008	2.7795	0.117	7.5972	-0.0278	-0.0097	0.0051	-0.0324
1698	9.67	9.96	4.7012	2.7789	0.1168	7.5969	-0.0268	0.0035	-0.0037	-0.027
1699	10.3	9.93	4.7012	2.7771	0.1168	7.5951	-0.0168	0.0022	-0.0077	-0.0222
1700	10.6	9.91	4.7009	2.777	0.1172	7.5951	-0.0218	-0.0058	-0.0078	-0.0355
1701	10.3	9.86	4.7009	2.777	0.1175	7.5954	-0.0399	-0.0043	-0.0067	-0.0509
1702	9.68	9.84	4.7006	2.7775	0.1176	7.5957	-0.0395	-0.0009	-0.0062	-0.0466
1703	10.1	9.84	4.7002	2.778	0.1173	7.5955	-0.0299	-0.002	-0.0065	-0.0384
1704	10.2	9.83	4.6995	2.7783	0.1173	7.5951	-0.0351	-0.0009	-0.0042	-0.0402
1705	10.4	9.83	4.6994	2.7784	0.1175	7.5953	-0.0341	-0.0058	-0.0013	-0.0412
1706	9.75	9.82	4.7002	2.7784	0.1175	7.5962	-0.0367	-0.0098	0	-0.0465
1707	9.72	9.78	4.6999	2.779	0.1172	7.5961	-0.0294	-0.0119	0.001	-0.0402
1708	9.52	9.8	4.6992	2.7793	0.1168	7.5953	-0.0166	-0.017	0.0032	-0.0304
1709	9.52	9.79	4.6989	2.779	0.1168	7.5947	-0.0055	-0.0195	0.0017	-0.0232
1710	9.04	9.75	4.6989	2.7787	0.1168	7.5943	-0.0001	-0.0175	0.0001	-0.0175
1711	9.51	9.71	4.699	2.7782	0.1169	7.594	-0.0028	-0.0127	0.0036	-0.0118
1712	9.63	9.71	4.6985	2.7781	0.1168	7.5935	-0.0058	-0.0038	0.0027	-0.0068
1713	9.43	9.7	4.6982	2.7784	0.1168	7.5934	-0.0037	0.0035	-0.0027	-0.003
1714	9.64	9.67	4.6973	2.7789	0.1166	7.5928	0.0099	0.003	-0.0108	0.002
1715	9.2	9.6	4.6971	2.779	0.1163	7.5924	0.0091	-0.0012	-0.0146	-0.0068
1716	9.57	9.6	4.6967	2.7789	0.1165	7.592	-0.0018	-0.004	-0.0139	-0.0197
1717	10	9.59	4.6966	2.7779	0.1163	7.5908	0.0008	-0.0026	-0.0124	-0.0142
1718	10.1	9.56	4.6966	2.7773	0.1164	7.5903	-0.0042	0.0036	-0.0131	-0.0137
1719	9.78	9.55	4.697	2.7773	0.1165	7.5908	-0.0273	0.0124	-0.0137	-0.0285
1720	9.65	9.6	4.6974	2.7776	0.1165	7.5915	-0.0487	0.0131	-0.0128	-0.0484
1721	9.59	9.59	4.6975	2.7772	0.1166	7.5913	-0.0463	0.0114	-0.0118	-0.0468
1722	9.87	9.59	4.6982	2.777	0.117	7.5922	-0.0418	0.0028	-0.0092	-0.0483
1723	9.66	9.58	4.6986	2.7766	0.1174	7.5926	-0.0263	-0.0088	-0.0111	-0.0462
1724	9.15	9.56	4.6982	2.7766	0.1177	7.5926	-0.0124	-0.0081	-0.0125	-0.033
1725	9.76	9.58	4.6979	2.7771	0.1181	7.5932	0.0034	-0.0058	-0.0097	-0.012
1726	9.51	9.57	4.6978	2.7771	0.1181	7.593	0.0195	-0.0077	-0.0097	0.0021
1727	9.1	9.52	4.699	2.7777	0.1182	7.5949	0.03	-0.0088	-0.0117	0.0094
1728	9.33	9.46	4.7014	2.7785	0.1178	7.5977	0.0362	-0.0088	-0.0122	0.0152
1729	9.91	9.4	4.7027	2.7785	0.1173	7.5985	0.0415	-0.0129	-0.0103	0.0183
1730	9.4	9.34	4.7025	2.7785	0.1172	7.5982	0.0456	-0.0181	-0.0082	0.0193

1731	9.53	9.32	4.7019	2.7784	0.1171	7.5974	0.0537	-0.0248	-0.0101	0.0189
1732	9.33	9.31	4.7013	2.7784	0.117	7.5966	0.0643	-0.0191	-0.0071	0.0381
1733	9.29	9.3	4.7005	2.7783	0.1171	7.5959	0.069	-0.0149	-0.006	0.048
1734	9.41	9.33	4.6996	2.7778	0.1174	7.5948	0.0703	-0.0134	-0.0068	0.0501
1735	9.44	9.32	4.6996	2.7781	0.1174	7.5952	0.0683	-0.0055	-0.0059	0.0568
1736	9.16	9.29	4.6999	2.7783	0.1172	7.5954	0.0683	0.0008	-0.0099	0.0592
1737	8.87	9.3	4.6997	2.7781	0.1176	7.5954	0.0743	-0.0014	-0.0105	0.0623
1738	8.6	9.31	4.6991	2.7776	0.118	7.5946	0.067	0.0016	-0.0134	0.0552
1739	8.62	9.28	4.6992	2.778	0.1181	7.5952	0.0538	-0.0014	-0.0137	0.0388
1740	9.1	9.27	4.6998	2.7786	0.1179	7.5964	0.0504	-0.0071	-0.0122	0.0311
1741	9.74	9.25	4.7006	2.779	0.1177	7.5973	0.0477	-0.0105	-0.0143	0.0228
1742	9.51	9.25	4.7009	2.7793	0.1175	7.5976	0.0389	-0.0129	-0.014	0.012
1743	9.77	9.24	4.7018	2.7791	0.1171	7.5979	0.0183	-0.0134	-0.0125	-0.0076
1744	9.47	9.23	4.7016	2.7795	0.1168	7.5979	0.0069	-0.0095	-0.0118	-0.0144
1745	8.96	9.22	4.7011	2.7794	0.1171	7.5976	0.0093	-0.0104	-0.0102	-0.0112
1746	9.18	9.21	4.7012	2.779	0.1177	7.598	0.0094	-0.0086	-0.0085	-0.0077
1747	9.56	9.27	4.701	2.7787	0.1182	7.598	0.0121	0.0016	-0.0088	0.005
1748	9.39	9.32	4.7002	2.7792	0.1185	7.5979	0.016	0.0066	-0.0095	0.0131
1749	9.17	9.34	4.7003	2.78	0.1185	7.5987	0.0256	0.0057	-0.0102	0.021
1750	9.26	9.32	4.7016	2.7802	0.1184	7.6002	0.0267	-0.014	-0.0143	-0.0016
1751	9.18	9.3	4.7021	2.7803	0.1182	7.6006	0.0222	-0.0178	-0.0117	-0.0072
1752	9.17	9.27	4.7019	2.7804	0.118	7.6003	0.0223	-0.0176	-0.0088	-0.0041
1753	9.24	9.23	4.7027	2.7801	0.118	7.6009	0.0199	-0.0131	-0.0083	-0.0015
1754	9.31	9.22	4.7026	2.7803	0.1179	7.6008	0.0154	-0.0083	-0.0106	-0.0035
1755	8.83	9.22	4.7022	2.7805	0.1178	7.6005	0.0085	-0.0046	-0.0116	-0.0076
1756	10	9.25	4.7012	2.7806	0.1178	7.5995	0.0074	-0.0036	-0.0094	-0.0056
1757	9.55	9.27	4.7002	2.7805	0.1176	7.5983	0.0166	-0.0037	-0.0093	0.0037
1758	9.03	9.28	4.6998	2.7806	0.1173	7.5977	0.0128	0.0026	-0.0128	0.0026
1759	8.72	9.34	4.6996	2.7804	0.117	7.5969	0.0058	0.0057	-0.0177	-0.0061
1760	9.31	9.37	4.6996	2.78	0.1172	7.5968	0.0024	0.0028	-0.0173	-0.0121
1761	9.07	9.39	4.7	2.7791	0.1176	7.5967	0.0022	-0.0011	-0.0181	-0.017
1762	8.99	9.42	4.7002	2.7784	0.1181	7.5966	0.0034	-0.0066	-0.017	-0.0202
1763	9.19	9.43	4.6994	2.7784	0.1186	7.5963	-0.0015	-0.0077	-0.0178	-0.0271
1764	8.96	9.43	4.6997	2.7789	0.1188	7.5974	-0.0054	-0.0044	-0.0181	-0.028
1765	9.84	9.45	4.7011	2.7795	0.1188	7.5994	-0.0161	0.0015	-0.0208	-0.0355
1766	9.79	9.44	4.7013	2.7795	0.1188	7.5996	-0.0191	0.0028	-0.0242	-0.0405
1767	9.69	9.46	4.7018	2.7791	0.119	7.5999	-0.0238	0.0013	-0.0228	-0.0453

1768	10.2	9.5	4.7034	2.7786	0.119	7.6011	-0.0253	-0.011	-0.0247	-0.061
1769	9.89	9.52	4.705	2.7793	0.1187	7.603	-0.0257	-0.0181	-0.0237	-0.0675
1770	9.59	9.51	4.7051	2.7801	0.1185	7.6037	-0.0208	-0.0186	-0.0232	-0.0626
1771	9.7	9.52	4.705	2.7804	0.1182	7.6036	-0.0166	-0.0146	-0.0235	-0.0546
1772	9.52	9.58	4.7038	2.7808	0.1184	7.603	-0.0153	-0.0202	-0.0224	-0.0579
1773	9.16	9.64	4.7028	2.7812	0.1184	7.6024	-0.0066	-0.0228	-0.0175	-0.0468
1774	9.26	9.72	4.702	2.7808	0.1183	7.6011	-0.0005	-0.0286	-0.0125	-0.0416
1775	9.87	9.77	4.7007	2.7809	0.1182	7.5999	-0.0059	-0.0282	-0.0085	-0.0425
1776	9.89	9.79	4.6995	2.7812	0.1183	7.599	-0.01	-0.0219	-0.0031	-0.035
1777	9.78	9.82	4.6986	2.7812	0.1181	7.5979	-0.0118	-0.0226	-0.0037	-0.038
1778	9.25	9.84	4.6979	2.7814	0.1179	7.5972	0.0043	-0.0148	-0.0024	-0.013
1779	8.97	9.87	4.6977	2.7817	0.1177	7.597	0.0379	-0.0039	-0.0086	0.0255
1780	9.29	9.89	4.6971	2.7821	0.1177	7.597	0.0565	-0.0039	-0.0154	0.0372
1781	10.1	9.89	4.6967	2.7818	0.1175	7.596	0.0544	-0.0043	-0.0168	0.0332
1782	10.4	9.91	4.6962	2.7813	0.1174	7.5949	0.047	-0.0059	-0.0184	0.0227
1783	10.4	9.96	4.6958	2.7805	0.1174	7.5938	0.0383	-0.0059	-0.0206	0.0117
1784	10.8	9.98	4.6957	2.7803	0.1172	7.5932	0.0265	-0.0075	-0.0184	0.0007
1785	10.2	10	4.6956	2.7801	0.1173	7.593	0.0146	-0.0141	-0.0155	-0.015
1786	10.2	10	4.6954	2.7801	0.1174	7.5929	0.0147	-0.0103	-0.0144	-0.01
1787	10.7	10	4.6959	2.7799	0.1177	7.5935	0.0185	-0.0069	-0.0183	-0.0067
1788	10.4	10	4.6964	2.7801	0.1178	7.5943	0.016	-0.011	-0.0124	-0.0073
1789	9.95	10	4.6963	2.7802	0.118	7.5944	0.006	-0.0189	-0.0068	-0.0196
1790	9.82	10	4.6963	2.78	0.1183	7.5945	0.0078	-0.0126	-0.0048	-0.0097
1791	9.9	10	4.6974	2.7799	0.1184	7.5957	0.0193	-0.0022	-0.0077	0.0095
1792	9.98	9.99	4.6998	2.7799	0.1182	7.5979	0.0325	0.0037	-0.0115	0.0248
1793	9.65	9.92	4.7014	2.78	0.118	7.5994	0.0375	0.0087	-0.0155	0.0308
1794	10.3	9.83	4.7013	2.7802	0.118	7.5995	0.0545	0.0051	-0.0231	0.0365
1795	9.85	9.77	4.7009	2.7799	0.1181	7.5988	0.0515	0.0129	-0.0278	0.0366
1796	10.1	9.75	4.6998	2.7791	0.1181	7.5969	0.0432	0.0117	-0.0236	0.0313
1797	9.34	9.74	4.6992	2.7788	0.1179	7.5959	0.0473	0.0048	-0.012	0.0401
1798	9.05	9.61	4.6987	2.7783	0.1178	7.5948	0.0433	-0.0007	-0.0025	0.0401
1799	9.76	9.53	4.6985	2.7785	0.1182	7.5953	0.0296	0.0076	0.0025	0.0398
1800	9.8	9.8	4.6987	2.7788	0.1184	7.5958	0.0315	0.0237	0.0015	0.0567