

Test Name	HPL, WC, rep 2
Cladding	High Pressure Laminate (HPL)
Cladding Thickness [mm]	8
Insulation	Water-cooled steel plate
Insulation Thickness [mm]	
Cavity Width [mm]	50
Repetition Number	2
Mass Flow Rate (Propane)	0.2
Description	This experiment is on a system consisting of a High Pressure Laminate (HPL) cladding panel and a Water-cooled steel plate insulation panel, separated with a cavity of 50 mm width. It is the second repetition of this system configuration.
Experiment Notes	The HPL panel was seen to continue smouldering after the experiment was terminated, requiring extinguishment
Peak HRR [kW]	7.11
Time to Peak HRR [mins]	8.38
Residual HRR [kW]	0.897
Total HR [MJ]	3.31
Peak dQ/dt [kW/s]	0.039
Time to Peak dQ/dt [s]	3.23

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	0.375	0.375	6.9527	0	-0.0017	6.951	0.3172	0	0.092	0.4092
1	0.199	0.296	6.9525	0	-0.0011	6.9514	0.3283	0	0.0822	0.4105
2	0.313	0.344	6.9528	0	-0.0014	6.9514	0.3309	0	0.0662	0.3972
3	0.375	0.449	6.9525	0	-0.0004	6.9521	0.3278	0	0.0672	0.3949
4	0.458	0.652	6.952	0	-0.0011	6.9509	0.331	0	0.0646	0.3957
5	0.642	1.04	6.9513	0	-0.0018	6.9494	0.3356	0	0.065	0.4006
6	0.783	1.62	6.9504	0	-0.0018	6.9486	0.3378	0	0.0487	0.3865
7	1.02	2.24	6.9498	0	-0.0014	6.9484	0.3388	0	0.0215	0.3603
8	1.7	2.85	6.9496	0	-0.0006	6.949	0.3377	0	0.023	0.3607
9	2.6	3.34	6.9498	0	0.0001	6.9499	0.337	0	0.0289	0.3659
10	3.03	3.73	6.95	0	-0.0009	6.9491	0.3371	0	0.0347	0.3718
11	4.22	4.13	6.95	0	-0.0029	6.947	0.3347	0	0.0409	0.3756
12	5.29	4.53	6.9499	0	-0.0021	6.9478	0.3338	0	0.0267	0.3605
13	6.28	4.92	6.95	0	-0.002	6.948	0.326	0	0.0151	0.3411
14	6.33	5.3	6.95	0	-0.003	6.947	0.3204	0	0.0187	0.3391
15	7.39	5.71	6.9496	0	-0.0039	6.9457	0.3226	0	0.0501	0.3728
16	7.45	6.12	6.9493	0	-0.0043	6.945	0.3293	0	0.0508	0.38
17	7.38	6.49	6.9489	0	-0.0041	6.9448	0.3337	0	0.0481	0.3818
18	7.62	6.83	6.9487	0	-0.0039	6.9448	0.3337	0	0.053	0.3866
19	7.73	7.13	6.9487	0	-0.0036	6.945	0.3324	0	0.0482	0.3806
20	7.83	7.41	6.9486	0	-0.0037	6.9449	0.3315	0	0.0429	0.3744
21	7.92	7.6	6.9482	0	-0.0035	6.9448	0.327	0	0.0374	0.3644
22	7.73	7.75	6.9477	0	-0.003	6.9447	0.3238	0	0.0368	0.3606
23	7.79	7.86	6.9475	0	-0.0041	6.9434	0.3206	0	-0.0102	0.3104
24	8.32	7.97	6.9471	0	-0.0052	6.9419	0.3175	0	0.0186	0.3361
25	8.55	8.02	6.9468	0	-0.0052	6.9416	0.3145	0	0.0087	0.3232
26	8.17	8.06	6.9461	0	-0.0059	6.9403	0.3116	0	0.0094	0.321
27	8.05	8.11	6.9458	0	-0.0049	6.9408	0.307	0	-0.0075	0.2995
28	8.3	8.13	6.9452	0	-0.0055	6.9397	0.3033	0	-0.0113	0.292

29	8.33	8.14	6.9438	0	-0.0061	6.9378	0.2983	0	-0.0124	0.2859
30	7.99	8.16	6.9429	0	-0.0056	6.9373	0.2921	0	-0.0169	0.2752
31	7.99	8.2	6.9422	0	-0.0052	6.937	0.2874	0	-0.0103	0.2771
32	8.44	8.23	6.9419	0	-0.0052	6.9366	0.282	0	-0.0045	0.2775
33	8.51	8.25	6.942	0	-0.0057	6.9363	0.2745	0	-0.0014	0.2731
34	8.19	8.25	6.9418	0	-0.0058	6.936	0.2692	0	-0.0137	0.2555
35	8.33	8.23	6.9415	0	-0.005	6.9365	0.2682	0	-0.0059	0.2623
36	8.28	8.23	6.941	0	-0.0054	6.9356	0.2652	0	-0.0075	0.2577
37	7.98	8.23	6.9407	0	-0.006	6.9347	0.2621	0	-0.021	0.2411
38	8.01	8.22	6.941	0	-0.0067	6.9343	0.2607	0	-0.0208	0.2399
39	8.24	8.24	6.9413	0	-0.0067	6.9346	0.2599	0	-0.0278	0.2321
40	8.68	8.28	6.9415	0	-0.0066	6.9348	0.2602	0	-0.0189	0.2413
41	8.26	8.3	6.9416	0	-0.0062	6.9354	0.2638	0	-0.0132	0.2506
42	8.16	8.33	6.9418	0	-0.006	6.9357	0.2687	0	-0.0207	0.2481
43	8.26	8.37	6.9417	0	-0.0055	6.9362	0.2725	0	-0.0179	0.2546
44	8.19	8.43	6.9413	0	-0.0051	6.9362	0.2776	0	-0.0184	0.2592
45	8.08	8.48	6.9407	0	-0.0052	6.9355	0.2792	0	-0.0347	0.2445
46	8.09	8.53	6.94	0	-0.0053	6.9347	0.2782	0	-0.0258	0.2524
47	8.07	8.59	6.9388	0	-0.0053	6.9334	0.2772	0	-0.0302	0.247
48	8.77	8.64	6.9384	0	-0.0075	6.9309	0.2737	0	-0.0211	0.2526
49	8.74	8.71	6.9378	0	-0.0066	6.9313	0.273	0	-0.0182	0.2548
50	8.48	8.73	6.937	0	-0.0062	6.9308	0.2704	0	-0.0204	0.25
51	8.94	8.77	6.9365	0	-0.0054	6.9311	0.2635	0	-0.026	0.2375
52	9.3	8.82	6.9363	0	-0.0055	6.9308	0.2672	0	-0.0274	0.2398
53	9.32	8.87	6.9358	0	-0.0055	6.9304	0.2797	0	-0.0307	0.249
54	9.31	8.93	6.9352	0	-0.0056	6.9297	0.287	0	-0.013	0.274
55	9.22	9.03	6.9348	0	-0.0047	6.9301	0.285	0	-0.0103	0.2747
56	8.99	9.12	6.9344	0	-0.0032	6.9312	0.2792	0	-0.0228	0.2563
57	9.09	9.19	6.9341	0	-0.0033	6.9308	0.2744	0	-0.0205	0.2539
58	9.43	9.22	6.9338	0	-0.0037	6.9301	0.2783	0	-0.0153	0.263
59	9.08	9.24	6.9335	0	-0.0041	6.9294	0.2811	0	-0.012	0.2691
60	9.17	9.28	6.9333	0	-0.0045	6.9288	0.2855	0	-0.0054	0.2802
61	9.01	9.31	6.933	0	-0.0036	6.9294	0.2936	0	-0.022	0.2716
62	9.23	9.31	6.9332	0	-0.0029	6.9302	0.3006	0	-0.0337	0.2669
63	9.42	9.29	6.9332	0	-0.0032	6.93	0.3015	0	-0.0087	0.2927
64	9.92	9.31	6.9327	0	-0.0052	6.9275	0.3026	0	-0.0078	0.2948
65	9.83	9.36	6.932	0	-0.0053	6.9267	0.3039	0	-0.0231	0.2808

66	9.42	9.38	6.9313	0	-0.0052	6.9261	0.3019	0	-0.0395	0.2625
67	9.19	9.37	6.931	0	-0.0056	6.9254	0.3019	0	-0.0583	0.2437
68	9.16	9.35	6.9308	0	-0.0053	6.9255	0.3024	0	-0.0573	0.2452
69	9.31	9.36	6.9305	0	-0.005	6.9255	0.3039	0	-0.0481	0.2559
70	9.53	9.37	6.9305	0	-0.0046	6.9259	0.3049	0	-0.0463	0.2586
71	9.25	9.39	6.9304	0	-0.0046	6.9258	0.3107	0	-0.0271	0.2835
72	8.91	9.39	6.9303	0	-0.0012	6.9291	0.3177	0	-0.0347	0.283
73	9.82	9.36	6.9302	0	-0.0034	6.9269	0.3189	0	-0.0375	0.2814
74	10	9.3	6.9301	0	-0.0026	6.9275	0.3208	0	-0.0457	0.2751
75	9.4	9.28	6.93	0	-0.0027	6.9273	0.3195	0	-0.0499	0.2696
76	8.99	9.26	6.9301	0	-0.0014	6.9287	0.3195	0	-0.056	0.2634
77	9	9.25	6.93	0	-0.0011	6.929	0.3158	0	-0.077	0.2387
78	9.24	9.26	6.9301	0	-0.001	6.9291	0.3146	0	-0.0709	0.2437
79	9.43	9.29	6.9303	0	-0.0006	6.9297	0.3116	0	-0.0691	0.2424
80	9.43	9.29	6.9304	0	-0.0011	6.9293	0.2984	0	-0.0794	0.219
81	9.2	9.31	6.9306	0	-0.0016	6.929	0.2892	0	-0.0839	0.2053
82	8.84	9.36	6.9309	0	-0.0019	6.9291	0.2796	0	-0.0896	0.1899
83	8.73	9.33	6.9311	0	-0.0008	6.9303	0.276	0	-0.0837	0.1922
84	9.52	9.28	6.9309	0	-0.0015	6.9294	0.2757	0	-0.0718	0.2039
85	9.04	9.28	6.9309	0	-0.0013	6.9296	0.2789	0	-0.0678	0.2111
86	9.02	9.24	6.9309	0	-0.0001	6.9308	0.2803	0	-0.0553	0.225
87	9.35	9.23	6.9308	0	-0.0001	6.9306	0.2791	0	-0.0553	0.2238
88	9.74	9.22	6.9306	0	0.0005	6.9311	0.2818	0	-0.0607	0.2211
89	9.62	9.2	6.9303	0	-0.0003	6.93	0.2914	0	-0.0703	0.2211
90	9.64	9.18	6.9297	0	-0.0008	6.9289	0.3032	0	-0.0736	0.2296
91	9.77	9.17	6.929	0	-0.0001	6.9289	0.3191	0	-0.0757	0.2435
92	9.29	9.18	6.9284	0	-0.0003	6.9281	0.3381	0	-0.0824	0.2557
93	9.04	9.2	6.9276	0	-0.0002	6.9274	0.3471	0	-0.0827	0.2644
94	9.36	9.17	6.9272	0	0.0013	6.9285	0.3509	0	-0.063	0.2879
95	8.27	9.17	6.927	0	0.0005	6.9275	0.3573	0	-0.0658	0.2914
96	8.78	9.17	6.9268	0	0.001	6.9278	0.3648	0	-0.0648	0.3
97	9.12	9.15	6.9269	0	0.0001	6.927	0.3648	0	-0.0699	0.295
98	9.09	9.14	6.9267	0	-0.0002	6.9265	0.3604	0	-0.0767	0.2837
99	8.98	9.16	6.9267	0	0.0001	6.9267	0.3661	0	-0.0847	0.2814
100	9.03	9.15	6.9263	0	0.0009	6.9273	0.3689	0	-0.0623	0.3066
101	9.06	9.16	6.9258	0	0.0016	6.9274	0.3657	0	-0.0677	0.298
102	9.05	9.2	6.9248	0	0.0017	6.9265	0.3666	0	-0.0758	0.2908

103	9.02	9.23	6.9238	0	0.0009	6.9247	0.3711	0	-0.0811	0.29
104	8.99	9.26	6.9235	0	-0.0001	6.9235	0.3688	0	-0.0854	0.2835
105	9.12	9.35	6.9233	0	0.0005	6.9238	0.3659	0	-0.097	0.2688
106	8.8	9.41	6.923	0	0.0003	6.9232	0.3649	0	-0.0739	0.291
107	9.68	9.45	6.922	0	0.0001	6.9221	0.3683	0	-0.0461	0.3222
108	9.91	9.5	6.9215	0	0.0006	6.9221	0.3703	0	-0.0461	0.3242
109	9.47	9.57	6.9212	0	0.0007	6.9219	0.3697	0	-0.0528	0.3169
110	10	9.62	6.9206	0	0.0013	6.922	0.3781	0	-0.0542	0.3238
111	9.94	9.66	6.9199	0	0.0004	6.9204	0.3871	0	-0.0561	0.331
112	9.76	9.71	6.9198	0	-0.0012	6.9185	0.394	0	-0.0522	0.3418
113	9.85	9.8	6.9197	0	-0.0012	6.9185	0.4033	0	-0.0574	0.346
114	10	9.89	6.9196	0	-0.0007	6.9189	0.408	0	-0.0602	0.3479
115	9.94	9.98	6.9194	0	0.0001	6.9195	0.4091	0	-0.0618	0.3473
116	9.79	10.1	6.9191	0	0.0015	6.9206	0.4081	0	-0.0609	0.3472
117	10	10.2	6.9187	0	0.0016	6.9203	0.4098	0	-0.0575	0.3523
118	10.3	10.2	6.9183	0	0.0009	6.9192	0.4092	0	-0.0558	0.3534
119	9.99	10.2	6.9182	0	0.001	6.9192	0.4049	0	-0.0357	0.3692
120	9.78	10.3	6.9175	0	-0.001	6.9166	0.4078	0	-0.0349	0.3729
121	10.1	10.3	6.9165	0	0	6.9165	0.4118	0	-0.0279	0.3839
122	10.7	10.3	6.9159	0	0.0007	6.9166	0.4113	0	-0.0231	0.3882
123	10.7	10.4	6.9154	0	0.0004	6.9159	0.4111	0	0.0094	0.4205
124	10.8	10.4	6.9151	0	-0.0002	6.9149	0.4125	0	-0.0215	0.391
125	11.3	10.5	6.9149	0	0.0004	6.9152	0.4132	0	-0.0258	0.3874
126	10.9	10.5	6.9146	0	0.0019	6.9164	0.4145	0	-0.0307	0.3838
127	10.1	10.6	6.9143	0	0.0021	6.9164	0.421	0	-0.015	0.406
128	10.3	10.6	6.9141	0	0.0014	6.9155	0.4259	0	-0.0105	0.4154
129	10.7	10.6	6.914	0	0.0019	6.9159	0.4295	0	-0.0007	0.4288
130	10.4	10.6	6.9139	0	0.0028	6.9168	0.4333	0	0.0066	0.4399
131	10.5	10.6	6.9142	0	0.0038	6.918	0.4343	0	0.0033	0.4376
132	10.8	10.6	6.9143	0	0.0031	6.9174	0.4422	0	-0.0058	0.4364
133	10.7	10.6	6.9144	0	0.0015	6.9159	0.4536	0	0.0025	0.4561
134	10.8	10.7	6.9139	0	0.001	6.9149	0.4667	0	0.0152	0.4819
135	11	10.6	6.9134	0	0.0005	6.914	0.4745	0	0.004	0.4785
136	10.7	10.6	6.9131	0	0.0002	6.9132	0.4832	0	0.0032	0.4863
137	10.4	10.7	6.9125	0	0.0001	6.9126	0.4909	0	0.0124	0.5034
138	10.1	10.7	6.9118	0	0.0004	6.9122	0.4948	0	0.0095	0.5043
139	10	10.7	6.9109	0	0.0007	6.9116	0.4996	0	0.0234	0.5231

140	10.5	10.8	6.9095	0	0.0009	6.9105	0.5041	0	0.0277	0.5318
141	11.3	10.8	6.9078	0	0.002	6.9098	0.5058	0	0.0245	0.5302
142	10.9	10.8	6.907	0	0.0022	6.9093	0.5096	0	0.0205	0.5301
143	11	10.9	6.9066	0	0.0008	6.9074	0.509	0	0.0234	0.5324
144	11.1	10.9	6.9056	0	0.0014	6.907	0.507	0	0.0237	0.5308
145	10.9	10.9	6.9043	0	0.0013	6.9055	0.5126	0	0.0436	0.5562
146	10.9	10.9	6.9035	0	0.0017	6.9052	0.5179	0	0.0325	0.5504
147	11.1	11	6.9027	0	0.0024	6.9051	0.5216	0	0.0323	0.5539
148	11.1	11	6.9018	0	0.001	6.9028	0.5298	0	0.0239	0.5537
149	10.9	11.1	6.901	0	-0.0003	6.9006	0.5365	0	0.0241	0.5605
150	11	11.1	6.9004	0	0.0006	6.901	0.5456	0	0.029	0.5745
151	11.4	11.1	6.8998	0	0.0022	6.902	0.5522	0	0.0388	0.591
152	11.3	11.1	6.8992	0	0.0026	6.9018	0.5531	0	0.0409	0.594
153	11	11.1	6.8989	0	0.0031	6.902	0.55	0	0.0376	0.5876
154	11.5	11.2	6.8987	0	0.0042	6.9028	0.55	0	0.0433	0.5933
155	10.7	11.2	6.8983	0	0.0027	6.901	0.5503	0	0.0399	0.5902
156	11.7	11.3	6.8976	0	0.0014	6.899	0.551	0	0.0491	0.6001
157	11.2	11.3	6.8971	0	0.0013	6.8984	0.5523	0	0.0602	0.6125
158	11.1	11.4	6.8968	0	0.0016	6.8985	0.5479	0	0.0608	0.6088
159	11	11.5	6.8957	0	0.0014	6.897	0.5489	0	0.0629	0.6118
160	10.9	11.5	6.8946	0	0.0011	6.8957	0.551	0	0.0624	0.6133
161	11	11.5	6.8936	0	0.0016	6.8952	0.5527	0	0.0666	0.6194
162	11.5	11.5	6.8928	0	0.0028	6.8956	0.5544	0	0.0556	0.6101
163	11.9	11.6	6.8924	0	0.0028	6.8952	0.5578	0	0.0373	0.5951
164	11.8	11.6	6.8918	0	0.001	6.8928	0.5628	0	0.0291	0.5919
165	11.9	11.7	6.8912	0	0.0008	6.8919	0.5714	0	0.0262	0.5976
166	12.3	11.7	6.8904	0	0.0005	6.8909	0.5723	0	0.0233	0.5956
167	12.4	11.7	6.8901	0	0	6.8901	0.5802	0	0.0934	0.6736
168	12.4	11.7	6.8903	0	-0.0017	6.8885	0.5866	0	0.0917	0.6782
169	11.9	11.8	6.8897	0	-0.0015	6.8882	0.5847	0	0.0826	0.6673
170	11.6	11.8	6.8893	0	-0.0018	6.8875	0.5814	0	0.0712	0.6526
171	11.9	11.8	6.8893	0	-0.0023	6.8869	0.5731	0	0.039	0.6121
172	12.1	11.8	6.8892	0	-0.0022	6.887	0.5647	0	0.0572	0.6219
173	12.2	11.8	6.889	0	-0.0012	6.8878	0.5694	0	0.0698	0.6392
174	12	11.8	6.8888	0	0	6.8888	0.5804	0	0.0628	0.6432
175	11.5	11.8	6.8886	0	0.0004	6.889	0.5894	0	0.0585	0.648
176	11.3	11.7	6.888	0	0.0001	6.8881	0.5958	0	0.0664	0.6622

177	11.5	11.7	6.8875	0	0	6.8874	0.6026	0	0.0742	0.6769
178	11.4	11.6	6.8872	0	-0.0009	6.8863	0.6108	0	0.0734	0.6842
179	11.2	11.6	6.887	0	-0.0013	6.8857	0.6187	0	0.0999	0.7186
180	11.5	11.6	6.887	0	-0.0015	6.8855	0.6242	0	0.1076	0.7318
181	11.6	11.6	6.8864	0	-0.001	6.8853	0.6319	0	0.1113	0.7433
182	11.7	11.5	6.8856	0	-0.0021	6.8835	0.6406	0	0.1257	0.7663
183	11.7	11.4	6.8844	0	-0.0023	6.8821	0.6436	0	0.1105	0.7542
184	11.5	11.4	6.8835	0	-0.0019	6.8816	0.6495	0	0.0852	0.7348
185	11.4	11.4	6.8826	0	-0.0016	6.8809	0.6511	0	0.0743	0.7255
186	11.5	11.4	6.8818	0	-0.0014	6.8804	0.6514	0	0.0719	0.7233
187	11.5	11.4	6.8813	0	-0.0011	6.8802	0.6525	0	0.0703	0.7227
188	11.3	11.4	6.8806	0	-0.0018	6.8788	0.6523	0	0.0613	0.7136
189	11	11.4	6.8799	0	-0.003	6.8768	0.649	0	0.0665	0.7154
190	11.8	11.4	6.8791	0	-0.0032	6.8759	0.6432	0	0.0682	0.7114
191	10.9	11.4	6.878	0	-0.0021	6.8759	0.6374	0	0.0665	0.7039
192	11.2	11.4	6.8775	0	-0.0026	6.8748	0.624	0	0.0751	0.6991
193	11.2	11.4	6.8769	0	-0.0026	6.8743	0.6181	0	0.0749	0.693
194	11.3	11.4	6.8759	0	-0.003	6.8729	0.6176	0	0.063	0.6806
195	11.4	11.4	6.8752	0	-0.0027	6.8725	0.6129	0	0.0736	0.6864
196	11.3	11.5	6.8747	0	-0.0023	6.8724	0.6039	0	0.0645	0.6684
197	11.2	11.5	6.8739	0	-0.0023	6.8716	0.5992	0	0.0622	0.6614
198	11.1	11.5	6.873	0	-0.0026	6.8705	0.5955	0	0.0726	0.6681
199	11.5	11.5	6.8721	0	-0.0028	6.8693	0.5939	0	0.0623	0.6562
200	12.4	11.5	6.8711	0	-0.003	6.8681	0.5966	0	0.0429	0.6395
201	12.1	11.6	6.8705	0	-0.0025	6.868	0.5959	0	0.0621	0.6581
202	11.3	11.6	6.8698	0	-0.0021	6.8677	0.5987	0	0.079	0.6777
203	11.5	11.6	6.8688	0	-0.0034	6.8654	0.6018	0	0.0923	0.6941
204	11.5	11.7	6.8685	0	-0.0041	6.8644	0.6073	0	0.0925	0.6998
205	12.2	11.7	6.8682	0	-0.0044	6.8638	0.6112	0	0.1152	0.7264
206	11.6	11.7	6.8677	0	-0.0057	6.862	0.6183	0	0.101	0.7193
207	11.8	11.7	6.8672	0	-0.006	6.8612	0.6235	0	0.0858	0.7094
208	11.6	11.8	6.8666	0	-0.0057	6.8609	0.6282	0	0.0708	0.699
209	11.5	11.8	6.8661	0	-0.0055	6.8606	0.6323	0	0.071	0.7033
210	11.9	11.7	6.8654	0	-0.0053	6.86	0.6281	0	0.0709	0.699
211	12.1	11.7	6.8645	0	-0.0051	6.8593	0.6254	0	0.0646	0.69
212	11.9	11.8	6.864	0	-0.0049	6.859	0.6206	0	0.0792	0.6998
213	11.9	11.8	6.8635	0	-0.0041	6.8593	0.6195	0	0.0894	0.7089

214	11.8	11.8	6.8625	0	-0.0033	6.8591	0.6253	0	0.1177	0.743
215	11.8	11.8	6.8622	0	-0.0022	6.8599	0.6233	0	0.0915	0.7148
216	11.4	11.8	6.8611	0	-0.0078	6.8532	0.6204	0	0.0897	0.7101
217	11.6	11.8	6.86	0	-0.0076	6.8525	0.617	0	0.0883	0.7053
218	11.6	11.8	6.8598	0	-0.0073	6.8525	0.6227	0	0.0861	0.7088
219	11.6	11.8	6.86	0	-0.0061	6.8539	0.6316	0	0.0813	0.7129
220	11.9	11.8	6.8602	0	-0.0049	6.8554	0.6306	0	0.0838	0.7144
221	11.8	11.8	6.86	0	-0.0057	6.8543	0.6301	0	0.0761	0.7062
222	11.8	11.8	6.8589	0	-0.0063	6.8527	0.6363	0	0.0788	0.7151
223	12.1	11.8	6.8574	0	-0.0058	6.8516	0.6433	0	0.0841	0.7274
224	12.1	11.8	6.8562	0	-0.0061	6.8501	0.6444	0	0.0818	0.7262
225	11.9	11.9	6.8553	0	-0.0062	6.849	0.6461	0	0.1001	0.7462
226	11.7	11.9	6.8543	0	-0.0056	6.8487	0.6495	0	0.1124	0.7619
227	11.6	11.9	6.8532	0	-0.0052	6.848	0.6496	0	0.116	0.7657
228	11.5	11.9	6.8522	0	-0.0086	6.8436	0.6437	0	0.121	0.7647
229	12.1	11.9	6.8516	0	-0.0089	6.8427	0.645	0	0.1069	0.7519
230	12.3	11.9	6.8507	0	-0.0083	6.8424	0.6486	0	0.1022	0.7508
231	11.7	11.9	6.8501	0	-0.0088	6.8413	0.6561	0	0.0888	0.7448
232	11.9	11.9	6.8499	0	-0.0079	6.842	0.6573	0	0.0948	0.7521
233	12.3	11.9	6.8494	0	-0.007	6.8424	0.659	0	0.0851	0.744
234	12.1	11.8	6.8488	0	-0.0065	6.8424	0.6578	0	0.0749	0.7327
235	11.8	11.8	6.8483	0	-0.0066	6.8417	0.6583	0	0.0737	0.732
236	11.7	11.8	6.8478	0	-0.0069	6.8409	0.6621	0	0.0725	0.7346
237	11.4	11.8	6.8473	0	-0.0061	6.8412	0.6644	0	0.0678	0.7323
238	12	11.8	6.847	0	-0.0063	6.8407	0.6747	0	0.0701	0.7448
239	12.4	11.8	6.8466	0	-0.0062	6.8405	0.6662	0	0.0798	0.746
240	11.7	11.8	6.8458	0	-0.0057	6.8401	0.6703	0	0.0588	0.7291
241	11.4	11.8	6.8454	0	-0.0055	6.8399	0.6714	0	0.0574	0.7289
242	12	11.8	6.8452	0	-0.0053	6.84	0.6608	0	0.0673	0.7281
243	11.6	11.8	6.8448	0	-0.0055	6.8393	0.6552	0	0.0654	0.7206
244	11.4	11.8	6.8443	0	-0.0059	6.8384	0.6506	0	0.0617	0.7123
245	11.7	11.8	6.8439	0	-0.0052	6.8387	0.6432	0	0.0498	0.6929
246	11.8	11.8	6.8436	0	-0.0045	6.8391	0.6393	0	0.0491	0.6884
247	11.8	11.8	6.8432	0	-0.0049	6.8383	0.638	0	0.0545	0.6925
248	12.1	11.8	6.8424	0	-0.0053	6.8371	0.6369	0	0.051	0.6879
249	11.9	11.8	6.8413	0	-0.0046	6.8367	0.6332	0	0.0301	0.6633
250	11.9	11.8	6.8408	0	-0.0056	6.8352	0.6352	0	0.0445	0.6797

251	11.2	11.8	6.84	0	-0.0057	6.8342	0.6272	0	0.0403	0.6675
252	12.2	11.8	6.839	0	-0.0067	6.8324	0.6271	0	0.0318	0.6589
253	12	11.8	6.8382	0	-0.0062	6.832	0.6314	0	0.0345	0.6659
254	11.8	11.8	6.8375	0	-0.0074	6.8302	0.6283	0	0.0274	0.6557
255	11.8	11.8	6.8365	0	-0.0074	6.8291	0.6329	0	0.0214	0.6543
256	11.8	11.8	6.8352	0	-0.0072	6.828	0.638	0	0.02	0.658
257	11.4	11.8	6.8343	0	-0.0058	6.8285	0.6413	0	0.0095	0.6509
258	11.9	11.7	6.8336	0	-0.0055	6.8281	0.6425	0	0.0082	0.6507
259	12.5	11.7	6.8329	0	-0.0057	6.8271	0.6413	0	0.0202	0.6615
260	12.1	11.7	6.832	0	-0.0053	6.8267	0.6401	0	0.0424	0.6825
261	11.9	11.8	6.8316	0	-0.0063	6.8252	0.6325	0	0.0479	0.6805
262	11.4	11.8	6.8309	0	-0.0061	6.8247	0.6296	0	0.0154	0.645
263	11.6	11.8	6.8299	0	-0.0089	6.8209	0.6338	0	0.0146	0.6484
264	11.4	11.8	6.8295	0	-0.0082	6.8213	0.6332	0	0.0152	0.6485
265	11.8	11.8	6.8291	0	-0.0082	6.8209	0.6245	0	0.0186	0.643
266	11.3	11.8	6.8287	0	-0.0083	6.8204	0.6245	0	0.0346	0.6591
267	11.1	11.9	6.8278	0	-0.0086	6.8192	0.6212	0	-0.0092	0.6121
268	11.5	11.9	6.8271	0	-0.0099	6.8173	0.6225	0	0.0082	0.6306
269	11.7	11.8	6.8267	0	-0.0099	6.8168	0.631	0	0.0196	0.6506
270	12	11.8	6.8263	0	-0.0094	6.8168	0.644	0	0.0337	0.6777
271	12.3	11.9	6.8256	0	-0.0102	6.8154	0.6589	0	0.0455	0.7044
272	12.4	11.9	6.8249	0	-0.0106	6.8143	0.6679	0	0.0389	0.7069
273	12.3	11.9	6.8245	0	-0.0094	6.8151	0.6681	0	0.0476	0.7157
274	11.9	12	6.8242	0	-0.0101	6.8141	0.6604	0	0.0456	0.706
275	11.9	12	6.8236	0	-0.0109	6.8128	0.6619	0	0.0434	0.7053
276	12.4	12.1	6.823	0	-0.0115	6.8115	0.6597	0	0.0321	0.6918
277	12	12.1	6.8231	0	-0.0121	6.811	0.6542	0	0.0325	0.6868
278	11.8	12.2	6.8227	0	-0.0116	6.8111	0.6512	0	0.0344	0.6855
279	12.3	12.2	6.8222	0	-0.0115	6.8107	0.6497	0	-0.0086	0.641
280	12.2	12.2	6.8214	0	-0.0103	6.811	0.6498	0	-0.0243	0.6255
281	12.5	12.3	6.8206	0	-0.0105	6.8101	0.6471	0	-0.0197	0.6275
282	12.2	12.2	6.8197	0	-0.0106	6.8091	0.6474	0	-0.011	0.6364
283	11.9	12.2	6.8186	0	-0.0098	6.8088	0.6533	0	0.0074	0.6607
284	12.3	12.3	6.8176	0	-0.0092	6.8084	0.6562	0	0.0109	0.6671
285	12.4	12.3	6.8164	0	-0.0089	6.8075	0.654	0	0.0151	0.669
286	12.8	12.3	6.8154	0	-0.0082	6.8072	0.6551	0	0.0107	0.6658
287	11.9	12.3	6.8138	0	-0.0081	6.8057	0.6529	0	0.0102	0.6631

288	12.4	12.4	6.814	0	-0.0098	6.8042	0.6569	0	0.0263	0.6832
289	12.8	12.4	6.8128	0	-0.0089	6.8039	0.6618	0	0.0389	0.7007
290	12.4	12.4	6.812	0	-0.009	6.803	0.6668	0	0.0332	0.7
291	12.1	12.4	6.8119	0	-0.0089	6.8031	0.6701	0	0.0327	0.7028
292	12.2	12.3	6.8119	0	-0.0092	6.8028	0.677	0	0.0463	0.7234
293	12.3	12.4	6.8118	0	-0.0088	6.8031	0.6847	0	0.0683	0.753
294	12.5	12.3	6.8116	0	-0.008	6.8036	0.6884	0	0.0809	0.7693
295	12.5	12.3	6.8113	0	-0.0077	6.8036	0.6887	0	0.0873	0.776
296	12.3	12.2	6.8109	0	-0.0077	6.8031	0.6902	0	0.0978	0.788
297	12.7	12.2	6.8102	0	-0.0074	6.8028	0.689	0	0.0894	0.7784
298	12.5	12.2	6.8097	0	-0.0056	6.8041	0.688	0	0.0753	0.7633
299	12.4	12.2	6.8086	0	-0.0073	6.8013	0.6857	0	0.0601	0.7458
300	12.1	12.1	6.8084	0	-0.007	6.8014	0.6819	0	0.0751	0.7571
301	12	12.1	6.8078	0	-0.0057	6.8021	0.6874	0	0.0819	0.7693
302	12.2	12.1	6.8066	0	-0.0055	6.8011	0.6824	0	0.091	0.7734
303	12	12.1	6.806	0	-0.0062	6.7998	0.6797	0	0.0925	0.7722
304	11.7	12.1	6.8052	0	-0.0062	6.799	0.6816	0	0.1033	0.7848
305	11.6	12.1	6.8044	0	-0.0064	6.798	0.6889	0	0.0977	0.7866
306	11.5	12.1	6.8036	0	-0.0067	6.7969	0.6905	0	0.1009	0.7914
307	11.6	12	6.8029	0	-0.0068	6.7962	0.6834	0	0.0951	0.7785
308	12.2	12	6.8025	0	-0.0077	6.7948	0.6824	0	0.1016	0.784
309	12.2	12	6.8021	0	-0.0098	6.7923	0.6879	0	0.1038	0.7918
310	11.7	12	6.8021	0	-0.0101	6.792	0.6929	0	0.0865	0.7794
311	12.5	12	6.8015	0	-0.0067	6.7948	0.6891	0	0.0861	0.7752
312	11.9	12	6.8006	0	-0.0064	6.7942	0.688	0	0.0809	0.7689
313	12.6	12	6.8001	0	-0.0057	6.7945	0.6842	0	0.0868	0.7709
314	11.9	12	6.8	0	-0.0052	6.7948	0.6782	0	0.0661	0.7442
315	11.9	12.1	6.7997	0	-0.0057	6.794	0.6791	0	0.0766	0.7557
316	11.8	12.1	6.7989	0	-0.0069	6.792	0.6842	0	0.0846	0.7689
317	12	12.1	6.7978	0	-0.0084	6.7894	0.6897	0	0.0879	0.7776
318	12.4	12.1	6.7967	0	-0.0093	6.7874	0.6896	0	0.0904	0.78
319	12.3	12.1	6.7956	0	-0.0095	6.7861	0.6909	0	0.0946	0.7854
320	12.2	12.2	6.7943	0	-0.0094	6.7849	0.6922	0	0.0954	0.7876
321	12.6	12.3	6.7932	0	-0.0096	6.7836	0.6926	0	0.0994	0.7921
322	11.9	12.3	6.7921	0	-0.011	6.7811	0.6952	0	0.091	0.7862
323	11.6	12.4	6.7914	0	-0.0104	6.781	0.6948	0	0.1134	0.8082
324	12.1	12.4	6.79	0	-0.0104	6.7796	0.6972	0	0.1165	0.8137

325	12.3	12.5	6.7893	0	-0.0094	6.7798	0.7025	0	0.0877	0.7902
326	12.3	12.5	6.7889	0	-0.0088	6.7801	0.7041	0	0.0734	0.7775
327	11.8	12.5	6.7881	0	-0.0086	6.7795	0.7048	0	0.061	0.7658
328	12.6	12.5	6.7872	0	-0.0077	6.7795	0.712	0	0.0438	0.7559
329	13.3	12.5	6.7866	0	-0.0064	6.7801	0.7152	0	0.0367	0.7519
330	13.2	12.6	6.786	0	-0.0063	6.7797	0.7186	0	0.0283	0.7469
331	13.1	12.6	6.7854	0	-0.0077	6.7777	0.7202	0	0.033	0.7532
332	13.4	12.7	6.7846	0	-0.0087	6.7759	0.724	0	0.023	0.747
333	13	12.8	6.7838	0	-0.0081	6.7757	0.7233	0	0.032	0.7554
334	12.8	12.8	6.7834	0	-0.008	6.7754	0.7195	0	0.0404	0.7599
335	12.1	12.9	6.7828	0	-0.0077	6.7751	0.7121	0	0.041	0.7531
336	12.9	12.9	6.7825	0	-0.0079	6.7746	0.7109	0	0.056	0.7669
337	12.4	13	6.7816	0	-0.0087	6.7729	0.7072	0	0.0522	0.7594
338	12.7	13	6.7808	0	-0.0102	6.7706	0.7013	0	0.06	0.7614
339	13.2	13	6.7799	0	-0.0095	6.7705	0.7123	0	0.0543	0.7666
340	13.4	13	6.7788	0	-0.009	6.7698	0.7105	0	0.0708	0.7813
341	13.2	13	6.7777	0	-0.0101	6.7676	0.7119	0	0.0775	0.7894
342	12.8	13	6.7768	0	-0.0121	6.7647	0.721	0	0.0832	0.8042
343	12.9	13	6.776	0	-0.0136	6.7624	0.7312	0	0.0717	0.8029
344	13.3	13	6.7754	0	-0.0146	6.7608	0.7413	0	0.0578	0.7991
345	13.3	13.1	6.7749	0	-0.015	6.7599	0.7509	0	0.0641	0.815
346	13.2	13.2	6.7747	0	-0.0134	6.7612	0.7621	0	0.0722	0.8343
347	12.6	13.2	6.7744	0	-0.0124	6.7619	0.7724	0	0.0865	0.859
348	12.4	13.3	6.7738	0	-0.0113	6.7626	0.7737	0	0.0936	0.8674
349	13.4	13.3	6.7731	0	-0.0122	6.7609	0.7795	0	0.1135	0.893
350	13.6	13.2	6.7721	0	-0.0138	6.7583	0.7757	0	0.0914	0.8671
351	13	13.2	6.7717	0	-0.0148	6.7569	0.7821	0	0.0865	0.8686
352	13.2	13.2	6.7711	0	-0.0159	6.7552	0.7858	0	0.0996	0.8854
353	13.4	13.2	6.7701	0	-0.0165	6.7536	0.7838	0	0.1143	0.8981
354	13.8	13.3	6.7687	0	-0.0171	6.7515	0.7847	0	0.1287	0.9133
355	14.2	13.3	6.7674	0	-0.0175	6.7499	0.7846	0	0.1417	0.9264
356	13.9	13.3	6.7669	0	-0.0167	6.7502	0.787	0	0.1414	0.9284
357	13.6	13.3	6.766	0	-0.0159	6.7501	0.7833	0	0.1297	0.913
358	12.5	13.3	6.7648	0	-0.0159	6.7489	0.7895	0	0.116	0.9055
359	12.7	13.3	6.7636	0	-0.0144	6.7492	0.8031	0	0.0937	0.8968
360	13.5	13.3	6.7631	0	-0.0139	6.7492	0.8108	0	0.0929	0.9037
361	12.8	13.3	6.7628	0	-0.0144	6.7483	0.8186	0	0.0664	0.885

362	13	13.4	6.7625	0	-0.0148	6.7477	0.8223	0	0.0991	0.9214
363	13.8	13.3	6.762	0	-0.0155	6.7465	0.8217	0	0.0747	0.8964
364	13.6	13.3	6.7616	0	-0.0159	6.7457	0.823	0	0.0603	0.8833
365	13.2	13.2	6.7607	0	-0.0167	6.744	0.8275	0	0.0802	0.9077
366	12.8	13.2	6.7597	0	-0.0171	6.7426	0.8316	0	0.0715	0.903
367	12.9	13.1	6.7589	0	-0.0176	6.7412	0.8332	0	0.0523	0.8855
368	13.6	13.1	6.758	0	-0.0193	6.7387	0.8318	0	0.0239	0.8557
369	12.6	13.2	6.7574	0	-0.0194	6.738	0.8321	0	0.0121	0.8442
370	13.6	13.2	6.757	0	-0.0194	6.7376	0.8319	0	0.0217	0.8536
371	14.1	13.3	6.7561	0	-0.0193	6.7368	0.8301	0	0.0353	0.8653
372	13.2	13.3	6.7554	0	-0.0219	6.7335	0.8284	0	0.0409	0.8694
373	12.5	13.3	6.7548	0	-0.021	6.7338	0.8264	0	0.0404	0.8668
374	12.7	13.3	6.7539	0	-0.0188	6.7351	0.8322	0	0.0557	0.8879
375	13.1	13.3	6.7532	0	-0.0182	6.735	0.8286	0	0.0597	0.8883
376	12.8	13.4	6.7525	0	-0.0176	6.7349	0.8279	0	0.0704	0.8983
377	12.9	13.4	6.7519	0	-0.0165	6.7354	0.835	0	0.0723	0.9073
378	13.5	13.4	6.7512	0	-0.0153	6.7359	0.8345	0	0.0652	0.8998
379	14	13.5	6.7503	0	-0.0143	6.736	0.8382	0	0.0698	0.9081
380	14	13.5	6.7494	0	-0.0136	6.7357	0.8414	0	0.0836	0.925
381	13.4	13.5	6.7482	0	-0.0128	6.7354	0.8453	0	0.0894	0.9346
382	13.4	13.5	6.7473	0	-0.0138	6.7335	0.8484	0	0.0776	0.926
383	14.2	13.6	6.7467	0	-0.0139	6.7328	0.8484	0	0.0603	0.9087
384	13.9	13.6	6.7464	0	-0.0133	6.7331	0.8477	0	0.0584	0.9061
385	13.6	13.6	6.7453	0	-0.0145	6.7308	0.8533	0	0.0746	0.9279
386	14	13.6	6.7446	0	-0.0134	6.7312	0.8556	0	0.0857	0.9413
387	13.5	13.6	6.7437	0	-0.0141	6.7296	0.8697	0	0.0667	0.9364
388	14.3	13.6	6.7428	0	-0.0153	6.7275	0.8735	0	0.0593	0.9327
389	14.1	13.6	6.7418	0	-0.016	6.7258	0.8732	0	0.045	0.9182
390	13.5	13.6	6.7408	0	-0.0167	6.7241	0.8745	0	0.0583	0.9329
391	13.6	13.6	6.7398	0	-0.0172	6.7227	0.8726	0	0.0661	0.9387
392	13	13.6	6.7388	0	-0.0164	6.7225	0.8737	0	0.0509	0.9246
393	13.3	13.6	6.7377	0	-0.0146	6.7231	0.8777	0	0.0317	0.9094
394	13.6	13.6	6.7365	0	-0.0144	6.7221	0.8759	0	0.0192	0.8951
395	13.4	13.6	6.7351	0	-0.0149	6.7202	0.8838	0	0.0249	0.9087
396	12.8	13.6	6.7336	0	-0.0164	6.7172	0.8907	0	0.0162	0.9069
397	13.4	13.6	6.7328	0	-0.0168	6.7161	0.9014	0	0.0307	0.9321
398	13.3	13.6	6.7318	0	-0.0169	6.7148	0.9113	0	0.0365	0.9477

399	13.8	13.6	6.731	0	-0.0164	6.7146	0.9164	0	0.0495	0.9659
400	13.6	13.7	6.7302	0	-0.0157	6.7145	0.923	0	0.0304	0.9535
401	13.6	13.7	6.7292	0	-0.0156	6.7136	0.9253	0	0.0019	0.9271
402	14	13.8	6.7283	0	-0.0169	6.7113	0.9354	0	-0.0143	0.9211
403	13.9	13.8	6.7275	0	-0.019	6.7085	0.9374	0	-0.0222	0.9152
404	13.9	13.9	6.7268	0	-0.0204	6.7064	0.9299	0	-0.018	0.9119
405	14	14	6.7257	0	-0.0206	6.7052	0.9259	0	-0.0153	0.9106
406	13.9	14	6.7253	0	-0.0197	6.7056	0.9237	0	-0.0237	0.9
407	14.1	14.1	6.724	0	-0.0184	6.7056	0.9229	0	-0.0208	0.902
408	14.1	14.1	6.7222	0	-0.0171	6.7051	0.9295	0	-0.0134	0.9161
409	14.8	14.2	6.721	0	-0.0191	6.702	0.9313	0	-0.029	0.9023
410	14.2	14.2	6.7203	0	-0.0168	6.7035	0.9383	0	-0.0358	0.9026
411	14	14.3	6.7193	0	-0.0166	6.7027	0.9511	0	-0.009	0.942
412	14.6	14.3	6.7184	0	-0.0139	6.7046	0.964	0	0.0116	0.9756
413	14.8	14.3	6.7178	0	-0.0117	6.7061	0.9769	0	0.0221	0.9991
414	14.3	14.3	6.7173	0	-0.0132	6.7041	0.9882	0	0.0229	1.0111
415	14.1	14.4	6.7165	0	-0.0128	6.7037	0.9988	0	0.0143	1.0132
416	14.5	14.5	6.7156	0	-0.0121	6.7035	0.9997	0	-0.0027	0.997
417	14.2	14.5	6.7146	0	-0.0108	6.7038	0.9979	0	-0.0019	0.996
418	14.9	14.5	6.7135	0	-0.0105	6.703	0.9978	0	-0.035	0.9628
419	14.4	14.6	6.7124	0	-0.0117	6.7008	0.995	0	-0.0681	0.9268
420	14.1	14.6	6.7113	0	-0.0129	6.6984	0.9928	0	-0.0683	0.9245
421	14.6	14.6	6.7104	0	-0.0137	6.6967	1.0018	0	-0.0811	0.9206
422	14.4	14.7	6.7095	0	-0.0151	6.6944	1.0011	0	-0.0987	0.9024
423	14.6	14.7	6.7081	0	-0.016	6.6922	1.0048	0	-0.1258	0.879
424	14.9	14.7	6.7071	0	-0.0164	6.6908	1.008	0	-0.1164	0.8917
425	15	14.7	6.7065	0	-0.0165	6.69	1.0053	0	-0.0985	0.9068
426	15.1	14.7	6.7054	0	-0.0161	6.6893	1.0039	0	-0.0881	0.9158
427	14.6	14.8	6.7046	0	-0.0152	6.6895	1.0028	0	-0.0685	0.9344
428	15.2	14.8	6.7034	0	-0.0147	6.6887	1.0056	0	-0.0517	0.9538
429	14.9	14.8	6.7024	0	-0.0148	6.6876	1.0073	0	-0.032	0.9753
430	15	14.8	6.7015	0	-0.0153	6.6862	1.0059	0	-0.0243	0.9816
431	15.2	14.9	6.7006	0	-0.0155	6.6851	1.0066	0	-0.0408	0.9658
432	15	14.8	6.6998	0	-0.0147	6.6851	1.0037	0	-0.0399	0.9638
433	14.5	14.8	6.699	0	-0.0139	6.6851	1.0079	0	-0.0591	0.9488
434	14.4	14.8	6.6981	0	-0.0154	6.6827	1.0123	0	-0.0539	0.9583
435	14.6	14.8	6.6972	0	-0.0163	6.6809	1.0235	0	-0.0499	0.9737

436	15.5	14.8	6.6955	0	-0.0146	6.681	1.0254	0	-0.056	0.9694
437	14.9	14.8	6.6943	0	-0.0146	6.6796	1.03	0	-0.0379	0.9921
438	14.6	14.8	6.6935	0	-0.0147	6.6788	1.0348	0	-0.0485	0.9864
439	15	14.8	6.6925	0	-0.0153	6.6772	1.0406	0	-0.0476	0.9931
440	14.8	14.8	6.6915	0	-0.0156	6.676	1.0437	0	-0.0708	0.9729
441	14.2	14.8	6.6904	0	-0.0152	6.6751	1.0467	0	-0.1087	0.938
442	14.3	14.8	6.689	0	-0.0152	6.6737	1.0519	0	-0.0887	0.9632
443	14.6	14.8	6.6884	0	-0.0155	6.6729	1.0578	0	-0.0821	0.9756
444	15.2	14.9	6.6871	0	-0.0171	6.6699	1.0628	0	-0.0687	0.994
445	14.6	14.9	6.6858	0	-0.0166	6.6692	1.0628	0	-0.0747	0.9881
446	14.5	14.9	6.6845	0	-0.0165	6.668	1.0599	0	-0.0691	0.9908
447	14.6	14.9	6.6832	0	-0.0161	6.6672	1.0529	0	-0.045	1.0079
448	15.5	14.9	6.6822	0	-0.0162	6.666	1.0517	0	-0.048	1.0037
449	15.4	14.9	6.6808	0	-0.0152	6.6656	1.0472	0	-0.0717	0.9755
450	14.7	15	6.6795	0	-0.014	6.6655	1.0437	0	-0.0544	0.9893
451	14.8	15	6.6782	0	-0.0134	6.6648	1.043	0	-0.0379	1.005
452	15.3	15.1	6.6773	0	-0.0137	6.6636	1.0514	0	-0.0458	1.0057
453	15.4	15.1	6.6771	0	-0.0147	6.6624	1.0682	0	-0.0554	1.0129
454	15	15.2	6.6761	0	-0.0156	6.6605	1.0673	0	-0.1132	0.9541
455	15.1	15.2	6.6751	0	-0.0151	6.6599	1.0712	0	-0.1062	0.9651
456	14.9	15.3	6.6746	0	-0.0146	6.66	1.0714	0	-0.0985	0.9729
457	15.3	15.3	6.6731	0	-0.0146	6.6585	1.078	0	-0.087	0.991
458	15.2	15.3	6.6717	0	-0.013	6.6587	1.0806	0	-0.0885	0.9921
459	15.4	15.3	6.6697	0	-0.0108	6.6589	1.0806	0	-0.0923	0.9882
460	15.3	15.3	6.668	0	-0.013	6.655	1.0842	0	-0.1091	0.9751
461	15.4	15.3	6.6664	0	-0.0156	6.6508	1.0884	0	-0.061	1.0273
462	15.8	15.4	6.6648	0	-0.017	6.6477	1.0911	0	-0.0323	1.0589
463	15.9	15.4	6.6632	0	-0.0178	6.6454	1.087	0	-0.006	1.081
464	15.6	15.4	6.6617	0	-0.0173	6.6444	1.0784	0	-0.0043	1.0741
465	15.4	15.4	6.6607	0	-0.0164	6.6443	1.0726	0	-0.0248	1.0478
466	15.8	15.4	6.6599	0	-0.0169	6.643	1.0663	0	-0.0302	1.0361
467	15.6	15.4	6.6591	0	-0.0141	6.6449	1.0595	0	-0.0171	1.0424
468	15.1	15.4	6.6585	0	-0.0125	6.646	1.0521	0	-0.0081	1.044
469	14.7	15.4	6.6582	0	-0.0126	6.6456	1.0489	0	-0.0118	1.0372
470	15.2	15.4	6.6569	0	-0.0113	6.6456	1.0532	0	-0.0449	1.0083
471	15.6	15.4	6.656	0	-0.0094	6.6466	1.0545	0	-0.0654	0.9891
472	15.6	15.4	6.6549	0	-0.0093	6.6456	1.0537	0	-0.0572	0.9965

473	15.3	15.3	6.654	0	-0.0094	6.6446	1.0549	0	-0.0657	0.9893
474	15.4	15.2	6.6534	0	-0.009	6.6444	1.0506	0	-0.0944	0.9562
475	15.4	15.2	6.6528	0	-0.0094	6.6434	1.0546	0	-0.1163	0.9383
476	14.6	15.1	6.6522	0	-0.0108	6.6415	1.0583	0	-0.1149	0.9434
477	15	15	6.6513	0	-0.0114	6.64	1.0683	0	-0.1152	0.953
478	15.8	14.9	6.6504	0	-0.0121	6.6383	1.0782	0	-0.1572	0.921
479	15	14.8	6.6497	0	-0.0119	6.6378	1.081	0	-0.1474	0.9336
480	16	14.7	6.6487	0	-0.0096	6.6391	1.0812	0	-0.1187	0.9626
481	14.7	14.5	6.6479	0	-0.0088	6.6391	1.0808	0	-0.1062	0.9745
482	15	14.4	6.6465	0	-0.0079	6.6386	1.0879	0	-0.1042	0.9837
483	14.4	14.4	6.6455	0	-0.0085	6.637	1.0971	0	-0.0955	1.0016
484	13.9	14.4	6.6441	0	-0.0083	6.6357	1.1012	0	-0.0869	1.0144
485	13.8	14.4	6.6427	0	-0.0089	6.6338	1.1058	0	-0.0984	1.0074
486	13.9	14.4	6.6416	0	-0.0096	6.632	1.1129	0	-0.0994	1.0135
487	13.7	14.4	6.6402	0	-0.0093	6.6309	1.1117	0	-0.0921	1.0196
488	12.7	14.4	6.6387	0	-0.0105	6.6282	1.1035	0	-0.1011	1.0024
489	12.6	14.4	6.6374	0	-0.0089	6.6285	1.1008	0	-0.1088	0.9921
490	12.8	14.4	6.6361	0	-0.0058	6.6303	1.0935	0	-0.1089	0.9846
491	14	14.5	6.6347	0	-0.0083	6.6264	1.0936	0	-0.1041	0.9894
492	14.5	14.6	6.633	0	-0.0081	6.6249	1.0919	0	-0.1053	0.9866
493	15.3	14.6	6.6314	0	-0.0077	6.6237	1.0894	0	-0.1224	0.967
494	15.2	14.8	6.6302	0	-0.007	6.6233	1.0945	0	-0.1374	0.9571
495	15.3	14.9	6.6291	0	-0.008	6.6211	1.0884	0	-0.1536	0.9348
496	15.1	15	6.6283	0	-0.0119	6.6164	1.0799	0	-0.1364	0.9436
497	15.1	15.1	6.6277	0	-0.012	6.6157	1.071	0	-0.1127	0.9583
498	15.5	15.3	6.627	0	-0.0098	6.6173	1.0626	0	-0.1061	0.9565
499	15.9	15.4	6.6266	0	-0.011	6.6157	1.0604	0	-0.1014	0.9589
500	16.6	15.5	6.6259	0	-0.0119	6.614	1.0556	0	-0.0748	0.9808
501	16.7	15.6	6.6241	0	-0.011	6.613	1.058	0	-0.0723	0.9858
502	15.5	15.6	6.6214	0	-0.0114	6.61	1.0532	0	-0.0422	1.011
503	16.3	15.6	6.6208	0	-0.0077	6.6131	1.054	0	-0.0358	1.0181
504	16.4	15.6	6.6196	0	-0.0098	6.6099	1.0596	0	-0.0427	1.017
505	15.7	15.6	6.6186	0	-0.0107	6.6079	1.0579	0	-0.0537	1.0042
506	16	15.6	6.6175	0	-0.011	6.6065	1.057	0	-0.0493	1.0077
507	15.3	15.6	6.6159	0	-0.0095	6.6064	1.0626	0	-0.0378	1.0248
508	15	15.5	6.6141	0	-0.0079	6.6063	1.0594	0	-0.0337	1.0257
509	15.3	15.5	6.6126	0	-0.0082	6.6045	1.0551	0	-0.0168	1.0382

510	15.1	15.4	6.6114	0	-0.0107	6.6008	1.0377	0	0.0043	1.042
511	15.1	15.3	6.6102	0	-0.0134	6.5968	1.0304	0	-0.0238	1.0065
512	15.8	15.3	6.6097	0	-0.0133	6.5965	1.0174	0	-0.0631	0.9543
513	15	15.1	6.61	0	-0.0113	6.5987	1.0035	0	-0.0809	0.9226
514	14.7	15	6.61	0	-0.0107	6.5993	0.9875	0	-0.0747	0.9128
515	14.9	15	6.6099	0	-0.0098	6.6001	0.9708	0	-0.0944	0.8763
516	14.8	14.9	6.6097	0	-0.0104	6.5992	0.9656	0	-0.0884	0.8772
517	15.1	14.8	6.6094	0	-0.01	6.5994	0.963	0	-0.0821	0.8808
518	14.8	14.7	6.6086	0	-0.0093	6.5993	0.9602	0	-0.0549	0.9053
519	14.9	14.7	6.6071	0	-0.0072	6.5999	0.9651	0	-0.039	0.9261
520	15	14.6	6.6059	0	-0.0064	6.5995	0.9706	0	-0.058	0.9125
521	14.5	14.5	6.605	0	-0.008	6.597	0.9674	0	-0.0616	0.9058
522	14.1	14.4	6.604	0	-0.0085	6.5955	0.9663	0	0.0165	0.9828
523	14.3	14.4	6.6031	0	-0.0065	6.5965	0.9616	0	0.011	0.9726
524	14.9	14.4	6.6017	0	-0.0047	6.5969	0.9606	0	0.0058	0.9664
525	14.4	14.4	6.6007	0	-0.005	6.5957	0.9614	0	0.01	0.9714
526	13.1	14.4	6.5986	0	-0.0045	6.594	0.9593	0	0.0061	0.9654
527	13.9	14.4	6.5968	0	0.0006	6.5974	0.9544	0	-0.0052	0.9492
528	14.1	14.5	6.5953	0	0	6.5953	0.9473	0	-0.0006	0.9467
529	13.8	14.5	6.5943	0	-0.0029	6.5914	0.9448	0	0.0004	0.9451
530	13.8	14.5	6.5934	0	-0.0047	6.5888	0.946	0	0.0087	0.9547
531	14.4	14.5	6.5918	0	-0.005	6.5867	0.9429	0	0.0477	0.9906
532	14.6	14.6	6.5901	0	-0.0051	6.5849	0.9448	0	0.0534	0.9982
533	14.4	14.6	6.5889	0	-0.0052	6.5837	0.9387	0	0.0643	1.003
534	15	14.6	6.5875	0	-0.0056	6.5819	0.9336	0	0.0472	0.9808
535	15.2	14.7	6.5859	0	-0.0063	6.5796	0.9259	0	0.0811	1.007
536	15	14.9	6.5844	0	-0.0053	6.579	0.9159	0	0.0692	0.9851
537	16	14.9	6.5839	0	-0.0045	6.5794	0.909	0	0.0702	0.9792
538	15.2	15	6.5834	0	-0.0038	6.5796	0.903	0	0.0775	0.9805
539	14.9	15.1	6.5831	0	-0.0044	6.5787	0.8959	0	0.0722	0.9681
540	14.6	15.1	6.5822	0	-0.0052	6.577	0.8934	0	0.0948	0.9882
541	15.3	15.2	6.5812	0	-0.0047	6.5765	0.889	0	0.1229	1.0119
542	15.2	15.2	6.58	0	-0.003	6.577	0.8762	0	0.1029	0.9791
543	15.4	15.3	6.579	0	-0.0018	6.5772	0.8627	0	0.125	0.9877
544	16.1	15.3	6.5782	0	-0.0018	6.5764	0.8526	0	0.1237	0.9763
545	15.6	15.4	6.5778	0	-0.003	6.5748	0.8487	0	0.1278	0.9765
546	15.3	15.4	6.5774	0	-0.0052	6.5722	0.8433	0	0.0848	0.9281

547	15.5	15.4	6.577	0	-0.0055	6.5715	0.8447	0	0.0771	0.9218
548	15.4	15.4	6.5762	0	-0.0061	6.5701	0.8435	0	0.0809	0.9244
549	14.8	15.5	6.5752	0	-0.0077	6.5675	0.8439	0	0.0948	0.9387
550	15	15.5	6.5737	0	-0.0068	6.567	0.8496	0	0.0928	0.9425
551	15.5	15.5	6.5729	0	-0.0092	6.5637	0.8523	0	0.0865	0.9387
552	15.8	15.5	6.5719	0	-0.0101	6.5618	0.8417	0	0.0867	0.9284
553	15.7	15.5	6.5711	0	-0.0104	6.5607	0.8234	0	0.0811	0.9044
554	16.2	15.5	6.5703	0	-0.0102	6.56	0.8264	0	0.115	0.9414
555	16.1	15.4	6.5694	0	-0.0102	6.5591	0.8251	0	0.0742	0.8993
556	15.3	15.4	6.5683	0	-0.0108	6.5575	0.8277	0	0.0115	0.8393
557	15.7	15.4	6.5671	0	-0.0112	6.5559	0.8236	0	0.0183	0.8419
558	15.9	15.4	6.5662	0	-0.0113	6.5549	0.8128	0	0.0335	0.8463
559	15.5	15.5	6.566	0	-0.0112	6.5547	0.8056	0	0.0653	0.8709
560	14.7	15.5	6.565	0	-0.0106	6.5543	0.8043	0	0.0629	0.8671
561	15.6	15.5	6.5646	0	-0.0093	6.5553	0.8043	0	0.0359	0.8402
562	15.2	15.5	6.5644	0	-0.0089	6.5555	0.8029	0	0.0135	0.8163
563	15	15.5	6.5645	0	-0.0104	6.5541	0.8087	0	0.0171	0.8258
564	14.6	15.4	6.5646	0	-0.0078	6.5568	0.8191	0	0.0316	0.8506
565	14.9	15.3	6.5642	0	-0.0076	6.5566	0.8238	0	0.04	0.8638
566	15.3	15.3	6.5636	0	-0.0087	6.5549	0.8263	0	0.0676	0.8939
567	15.6	15.3	6.5631	0	-0.0087	6.5544	0.831	0	0.0421	0.8731
568	16.1	15.2	6.562	0	-0.0086	6.5534	0.8439	0	0.0604	0.9043
569	15.5	15.2	6.5611	0	-0.0068	6.5543	0.8407	0	0.0621	0.9029
570	16.1	15.2	6.5601	0	-0.0051	6.555	0.8326	0	0.0717	0.9043
571	15.5	15.1	6.5594	0	-0.0111	6.5483	0.829	0	0.077	0.9061
572	15.1	15.1	6.5587	0	-0.0104	6.5483	0.8257	0	0.067	0.8926
573	15	15.1	6.5579	0	-0.01	6.548	0.8189	0	0.068	0.8869
574	14.6	15.1	6.5573	0	-0.01	6.5473	0.817	0	0.0869	0.9038
575	14.4	15	6.5569	0	-0.01	6.5469	0.8141	0	0.0952	0.9092
576	15	15	6.5568	0	-0.0102	6.5466	0.8136	0	0.086	0.8996
577	15.1	14.9	6.5566	0	-0.0113	6.5453	0.7948	0	0.0985	0.8933
578	14.9	14.9	6.556	0	-0.0121	6.5438	0.779	0	0.1378	0.9168
579	14.7	14.9	6.5551	0	-0.0128	6.5423	0.7694	0	0.1064	0.8757
580	14.2	14.8	6.5544	0	-0.0143	6.5401	0.7648	0	0.0766	0.8415
581	14.3	14.8	6.5534	0	-0.0141	6.5392	0.7652	0	0.0541	0.8192
582	15.6	14.9	6.5527	0	-0.0143	6.5383	0.7603	0	0.0463	0.8065
583	14.2	14.9	6.5521	0	-0.0132	6.5389	0.7527	0	0.041	0.7937

584	14.6	14.9	6.5515	0	-0.0165	6.535	0.751	0	0.043	0.794
585	14.1	15	6.5512	0	-0.0158	6.5353	0.7437	0	0.039	0.7827
586	14.6	15	6.5507	0	-0.0166	6.5341	0.7335	0	0.0219	0.7554
587	15.5	14.9	6.5499	0	-0.017	6.5329	0.7271	0	0.0127	0.7398
588	15.3	15	6.5491	0	-0.0177	6.5314	0.7352	0	0.0147	0.7499
589	15	15	6.5481	0	-0.0184	6.5297	0.7406	0	0.0496	0.7901
590	15.3	15	6.5472	0	-0.0181	6.5291	0.7508	0	0.0164	0.7672
591	15.8	15.1	6.547	0	-0.0186	6.5284	0.7449	0	0.0144	0.7593
592	15.8	15.1	6.5468	0	-0.0206	6.5261	0.7412	0	0.0217	0.7629
593	15.3	15.1	6.5462	0	-0.0201	6.5261	0.7347	0	0.0201	0.7548
594	15.4	15.1	6.5454	0	-0.0197	6.5256	0.7284	0	0.0248	0.7531
595	14.6	15.1	6.5447	0	-0.0164	6.5283	0.7283	0	0.009	0.7373
596	14.7	15.1	6.5439	0	-0.0196	6.5243	0.728	0	-0.0063	0.7216
597	15	15.1	6.5433	0	-0.02	6.5233	0.7301	0	-0.024	0.7061
598	15.2	15.1	6.5427	0	-0.0193	6.5234	0.7367	0	-0.0204	0.7163
599	15.2	15.1	6.5417	0	-0.0203	6.5214	0.7395	0	-0.0174	0.722
600	15.6	15.1	6.5407	0	-0.0205	6.5202	0.7382	0	-0.0228	0.7154
601	15.3	15.1	6.5399	0	-0.0197	6.5202	0.7285	0	-0.0233	0.7053
602	14.6	15.1	6.5391	0	-0.0195	6.5196	0.7254	0	-0.0412	0.6842
603	14.7	15	6.5381	0	-0.0192	6.5189	0.7249	0	-0.056	0.6689
604	14.5	15	6.5371	0	-0.0172	6.5199	0.7263	0	-0.0745	0.6518
605	15	15	6.5358	0	-0.0119	6.5239	0.7288	0	-0.0605	0.6683
606	15.4	15	6.5351	0	-0.0128	6.5223	0.7251	0	-0.0548	0.6703
607	15.1	15	6.5347	0	-0.0129	6.5218	0.7195	0	-0.0737	0.6458
608	14.8	15	6.5336	0	-0.0144	6.5192	0.7163	0	-0.092	0.6243
609	14.9	14.9	6.5322	0	-0.0145	6.5177	0.7159	0	-0.098	0.6179
610	15.5	14.8	6.531	0	-0.0142	6.5167	0.7241	0	-0.0911	0.633
611	15.5	14.8	6.5299	0	-0.0147	6.5152	0.7217	0	-0.0559	0.6658
612	15	14.8	6.5289	0	-0.015	6.5139	0.726	0	-0.0466	0.6794
613	14.7	14.8	6.5281	0	-0.0144	6.5137	0.7359	0	-0.0407	0.6952
614	14.6	14.8	6.5276	0	-0.0147	6.5129	0.7466	0	-0.0497	0.6969
615	15	14.8	6.5273	0	-0.0166	6.5107	0.7531	0	-0.0444	0.7087
616	15	14.7	6.5266	0	-0.0146	6.5119	0.7547	0	-0.0508	0.7039
617	14.2	14.7	6.525	0	-0.016	6.509	0.7538	0	-0.0243	0.7295
618	13.9	14.7	6.5245	0	-0.0155	6.509	0.7506	0	-0.0063	0.7443
619	14.1	14.7	6.5238	0	-0.0143	6.5095	0.7424	0	-0.011	0.7314
620	14.8	14.7	6.523	0	-0.0141	6.5089	0.7379	0	0.0292	0.7671

621	14.8	14.7	6.5224	0	-0.0147	6.5078	0.7374	0	-0.0561	0.7934
622	14.8	14.7	6.5221	0	-0.0153	6.5068	0.7402	0	-0.0222	0.718
623	14.6	14.6	6.5214	0	-0.0152	6.5062	0.7494	0	-0.0056	0.7439
624	14.1	14.6	6.5203	0	-0.0143	6.506	0.7579	0	-0.0037	0.7542
625	14.3	14.5	6.5193	0	-0.0136	6.5057	0.7588	0	0.0015	0.7603
626	15	14.5	6.5191	0	-0.0144	6.5047	0.7591	0	0.0036	0.7627
627	14.3	14.5	6.5189	0	-0.0132	6.5057	0.759	0	0.001	0.76
628	15.5	14.5	6.5184	0	-0.0106	6.5078	0.7606	0	-0.0202	0.7405
629	14.6	14.5	6.5178	0	-0.0106	6.5072	0.7601	0	-0.0316	0.7285
630	15.3	14.5	6.5169	0	-0.0101	6.5068	0.7602	0	-0.0343	0.726
631	14.9	14.4	6.5158	0	-0.0097	6.5061	0.7638	0	-0.0535	0.7102
632	14.6	14.4	6.5148	0	-0.0092	6.5055	0.7611	0	-0.0545	0.7066
633	13.8	14.4	6.5138	0	-0.0095	6.5043	0.7587	0	-0.0462	0.7126
634	13.7	14.4	6.5131	0	-0.0095	6.5037	0.759	0	-0.0539	0.705
635	13.9	14.5	6.5126	0	-0.0085	6.5041	0.7617	0	-0.0945	0.6673
636	13.8	14.5	6.5117	0	-0.0066	6.505	0.765	0	-0.0818	0.6831
637	13.8	14.5	6.5104	0	-0.006	6.5044	0.7739	0	-0.1009	0.673
638	14.5	14.4	6.5093	0	-0.0087	6.5006	0.7702	0	-0.1175	0.6526
639	14.7	14.4	6.5081	0	-0.0061	6.502	0.7658	0	-0.1269	0.6389
640	14	14.4	6.5077	0	-0.0066	6.5011	0.7626	0	-0.13	0.6326
641	14.4	14.4	6.507	0	-0.0069	6.5002	0.7611	0	-0.115	0.6461
642	15	14.4	6.5066	0	-0.005	6.5016	0.7672	0	-0.1078	0.6594
643	14.5	14.5	6.5061	0	-0.0042	6.5019	0.7716	0	-0.1167	0.6549
644	14.7	14.5	6.5054	0	-0.0027	6.5027	0.7651	0	-0.0891	0.676
645	14.7	14.5	6.505	0	-0.0023	6.5027	0.7554	0	-0.0865	0.6689
646	14.7	14.6	6.5044	0	-0.0028	6.5016	0.7535	0	-0.0498	0.7037
647	14.7	14.6	6.5033	0	-0.0034	6.4999	0.7445	0	-0.1006	0.6439
648	14.4	14.6	6.5022	0	-0.0043	6.4979	0.747	0	-0.116	0.6311
649	14.7	14.6	6.5014	0	-0.0054	6.496	0.7471	0	-0.1	0.6471
650	15.4	14.6	6.5009	0	-0.0044	6.4964	0.7478	0	-0.0851	0.6627
651	14.8	14.6	6.5003	0	-0.0051	6.4953	0.7434	0	-0.0608	0.6826
652	14.7	14.7	6.4994	0	-0.0045	6.4949	0.7386	0	-0.055	0.6836
653	14.3	14.7	6.4985	0	-0.003	6.4955	0.7356	0	-0.0742	0.6614
654	14.4	14.7	6.4974	0	-0.0042	6.4932	0.7329	0	-0.0744	0.6584
655	14.3	14.7	6.4968	0	-0.0047	6.4921	0.7302	0	-0.0493	0.6809
656	14.3	14.8	6.4964	0	-0.0034	6.4929	0.7309	0	0.0017	0.7327
657	14.8	14.8	6.4955	0	-0.002	6.4935	0.7356	0	0.0036	0.7392

658	14.7	14.8	6.4946	0	-0.0015	6.4931	0.7385	0	-0.0004	0.7382
659	14.1	14.8	6.4936	0	-0.0021	6.4914	0.736	0	-0.0192	0.7168
660	14.4	14.8	6.4928	0	-0.0051	6.4878	0.7291	0	-0.0068	0.7223
661	15.7	14.8	6.492	0	-0.0046	6.4874	0.7239	0	0.0145	0.7384
662	15.7	14.8	6.4908	0	-0.0049	6.486	0.7191	0	0.0184	0.7376
663	15.2	14.8	6.4898	0	-0.0054	6.4844	0.7136	0	0.0143	0.7279
664	14.8	14.8	6.4893	0	-0.0034	6.4859	0.7098	0	0.0103	0.7201
665	14.9	14.8	6.4887	0	-0.0025	6.4862	0.7088	0	0.0045	0.7132
666	15.3	14.8	6.4882	0	-0.0062	6.482	0.7075	0	0.0037	0.7112
667	15	14.8	6.488	0	-0.008	6.48	0.7029	0	0.004	0.707
668	14.5	14.8	6.4878	0	-0.0075	6.4803	0.6903	0	-0.0002	0.6901
669	14.7	14.8	6.4873	0	-0.0097	6.4776	0.692	0	-0.0001	0.6919
670	14.8	14.8	6.4864	0	-0.0107	6.4757	0.6913	0	0.0073	0.6986
671	15.1	14.7	6.4854	0	-0.0089	6.4765	0.6958	0	0.0007	0.6965
672	14.6	14.7	6.4838	0	-0.0099	6.4739	0.7033	0	-0.0126	0.6907
673	14.5	14.5	6.4821	0	-0.0096	6.4725	0.7079	0	-0.0148	0.6931
674	14.6	14.5	6.4814	0	-0.0101	6.4713	0.7048	0	-0.0153	0.6895
675	14.5	14.4	6.481	0	-0.0104	6.4706	0.6938	0	-0.0053	0.6885
676	14.2	14.3	6.4809	0	-0.0103	6.4706	0.6831	0	0.0056	0.6888
677	14.3	14.2	6.4805	0	-0.0093	6.4713	0.6821	0	-0.0084	0.6737
678	14.1	14.1	6.4799	0	-0.009	6.471	0.686	0	-0.0034	0.6826
679	14.1	14	6.4791	0	-0.0093	6.4697	0.689	0	0.0135	0.7025
680	14.7	13.9	6.478	0	-0.009	6.4691	0.6862	0	0.0287	0.7149
681	14.2	13.8	6.4773	0	-0.0087	6.4686	0.6842	0	0.0495	0.7338
682	12.9	13.7	6.4768	0	-0.0097	6.4671	0.6808	0	0.0568	0.7376
683	13.5	13.6	6.4762	0	-0.0078	6.4684	0.6742	0	0.0751	0.7494
684	13.4	13.6	6.4753	0	-0.007	6.4683	0.6689	0	0.0795	0.7484
685	13.8	13.6	6.4747	0	-0.0076	6.467	0.6643	0	0.0785	0.7429
686	13.1	13.6	6.4733	0	-0.0065	6.4668	0.6601	0	0.0883	0.7484
687	12.7	13.5	6.4729	0	-0.0052	6.4676	0.6538	0	0.1083	0.7622
688	12.9	13.6	6.4725	0	-0.005	6.4675	0.6459	0	0.1037	0.7495
689	13.1	13.5	6.4718	0	-0.0054	6.4664	0.6421	0	0.0572	0.6993
690	12.9	13.5	6.4711	0	-0.0066	6.4645	0.6297	0	0.0886	0.7183
691	12.7	13.5	6.4703	0	-0.0078	6.4625	0.6287	0	0.0886	0.7173
692	13.1	13.5	6.4696	0	-0.009	6.4606	0.632	0	0.0742	0.7061
693	13.9	13.6	6.4697	0	-0.0112	6.4585	0.6303	0	0.08	0.7103
694	14.1	13.6	6.4698	0	-0.0111	6.4587	0.6282	0	0.0839	0.7121

695	14.1	13.6	6.4694	0	-0.0115	6.4579	0.6225	0	0.1139	0.7364
696	13.5	13.6	6.4694	0	-0.0095	6.4599	0.6204	0	0.1297	0.7501
697	14.8	13.6	6.4686	0	-0.0084	6.4602	0.6182	0	0.1356	0.7538
698	13.6	13.7	6.4679	0	-0.0092	6.4587	0.6131	0	0.1417	0.7548
699	14.1	13.7	6.4669	0	-0.0118	6.4552	0.6103	0	0.1245	0.7348
700	13.8	13.7	6.4663	0	-0.0144	6.4519	0.6117	0	0.0884	0.7001
701	13.9	13.8	6.466	0	-0.0142	6.4518	0.6196	0	0.0672	0.6868
702	14.3	13.8	6.4655	0	-0.0121	6.4535	0.6241	0	0.0554	0.6795
703	13.4	13.8	6.4648	0	-0.0118	6.4531	0.6218	0	0.0619	0.6837
704	13.4	13.8	6.4641	0	-0.0123	6.4518	0.621	0	0.0543	0.6753
705	13.2	13.7	6.4627	0	-0.0121	6.4507	0.6141	0	0.0416	0.6557
706	13.1	13.7	6.4615	0	-0.0132	6.4484	0.6127	0	0.0237	0.6363
707	14.6	13.6	6.4608	0	-0.0128	6.4479	0.6092	0	0.037	0.6461
708	13.5	13.7	6.46	0	-0.0125	6.4475	0.5995	0	0.0752	0.6747
709	13.5	13.7	6.4593	0	-0.0138	6.4455	0.5922	0	0.0996	0.6918
710	13.7	13.7	6.4586	0	-0.0157	6.4429	0.5879	0	0.0939	0.6818
711	14.2	13.7	6.458	0	-0.0166	6.4414	0.5867	0	0.0677	0.6544
712	13.9	13.6	6.4575	0	-0.0164	6.4411	0.5823	0	0.0719	0.6542
713	13.3	13.6	6.4571	0	-0.0155	6.4417	0.5787	0	0.0621	0.6408
714	13.4	13.6	6.4567	0	-0.0152	6.4416	0.5776	0	0.0514	0.629
715	13.1	13.5	6.4565	0	-0.017	6.4396	0.5826	0	0.0589	0.6415
716	13.3	13.5	6.4563	0	-0.015	6.4412	0.5896	0	0.0866	0.6762
717	14.6	13.4	6.456	0	-0.016	6.44	0.5987	0	0.0524	0.6512
718	14.4	13.4	6.4553	0	-0.0155	6.4398	0.6083	0	0.038	0.6463
719	13.8	13.4	6.4547	0	-0.0151	6.4396	0.6145	0	0.0371	0.6516
720	13.5	13.4	6.4534	0	-0.0142	6.4392	0.6156	0	0.0003	0.6159
721	13	13.4	6.4521	0	-0.0134	6.4387	0.6101	0	-0.0154	0.5947
722	13.1	13.4	6.4513	0	-0.0138	6.4375	0.6029	0	0.0101	0.613
723	12.7	13.4	6.4509	0	-0.0137	6.4372	0.5953	0	-0.0026	0.5927
724	12.6	13.4	6.4509	0	-0.0137	6.4372	0.5861	0	-0.0065	0.5795
725	12.9	13.4	6.451	0	-0.0142	6.4368	0.5858	0	0.0192	0.605
726	12.8	13.4	6.4509	0	-0.0135	6.4373	0.5863	0	0.0069	0.5932
727	13.3	13.3	6.4503	0	-0.0129	6.4375	0.5837	0	-0.0162	0.5675
728	13.8	13.2	6.4495	0	-0.0119	6.4375	0.5794	0	-0.0069	0.5725
729	13.5	13.2	6.4492	0	-0.0135	6.4357	0.574	0	0.0065	0.5805
730	13	13.1	6.4485	0	-0.015	6.4335	0.5706	0	0.0139	0.5846
731	14	13.2	6.4477	0	-0.0154	6.4323	0.5711	0	0.0342	0.6053

732	13.5	13.2	6.4474	0	-0.0168	6.4306	0.5727	0	0.0503	0.623
733	13.3	13.2	6.4469	0	-0.0175	6.4294	0.5715	0	0.046	0.6175
734	13.6	13.2	6.4467	0	-0.0173	6.4294	0.5699	0	0.0791	0.6491
735	13.4	13.2	6.4466	0	-0.0174	6.4292	0.5604	0	0.0596	0.62
736	12.9	13.2	6.4463	0	-0.0175	6.4288	0.5594	0	0.0487	0.6082
737	12.8	13.2	6.4458	0	-0.0164	6.4294	0.5614	0	0.0438	0.6053
738	12.8	13.1	6.4451	0	-0.0145	6.4306	0.5627	0	0.0498	0.6125
739	12.7	13.1	6.4451	0	-0.0149	6.4302	0.561	0	0.0528	0.6138
740	13.5	13.1	6.4448	0	-0.0155	6.4294	0.5523	0	0.0488	0.6011
741	13.3	13	6.4439	0	-0.0143	6.4296	0.5404	0	0.0215	0.5619
742	12.4	12.9	6.4435	0	-0.013	6.4305	0.527	0	-0.0036	0.5234
743	12.3	12.9	6.4433	0	-0.0126	6.4307	0.5174	0	-0.0115	0.5059
744	12.9	12.9	6.4431	0	-0.0141	6.4291	0.5195	0	-0.0237	0.4958
745	13.1	12.8	6.443	0	-0.0153	6.4277	0.5239	0	-0.0196	0.5042
746	13.3	12.8	6.4426	0	-0.0164	6.4262	0.5222	0	-0.0317	0.4905
747	13.3	12.8	6.442	0	-0.0176	6.4244	0.524	0	-0.0132	0.5108
748	12.7	12.8	6.4412	0	-0.0168	6.4244	0.5197	0	0.0255	0.5453
749	13	12.9	6.4402	0	-0.0143	6.426	0.5151	0	-0.0121	0.503
750	12.2	12.9	6.4389	0	-0.0112	6.4278	0.5138	0	-0.0034	0.5104
751	12.4	12.9	6.4379	0	-0.0106	6.4273	0.5176	0	-0.0371	0.4805
752	12.4	13	6.4373	0	-0.0107	6.4266	0.5183	0	-0.0303	0.4879
753	12.9	13	6.4364	0	-0.0084	6.428	0.5139	0	0.0053	0.5192
754	12.5	13	6.436	0	-0.0083	6.4276	0.5085	0	0.0082	0.5167
755	13.1	13	6.4356	0	-0.0071	6.4285	0.5042	0	0.0005	0.5047
756	13.1	13	6.4355	0	-0.0071	6.4283	0.4947	0	-0.0055	0.4891
757	12.9	12.9	6.4355	0	-0.0095	6.426	0.4901	0	-0.0077	0.4824
758	13.2	12.9	6.4354	0	-0.0115	6.4239	0.4981	0	-0.0055	0.4926
759	13.6	12.9	6.4348	0	-0.0115	6.4233	0.5007	0	-0.0054	0.4952
760	13.6	12.9	6.4341	0	-0.0118	6.4223	0.5071	0	-0.0212	0.4859
761	13.7	12.9	6.4338	0	-0.0118	6.422	0.5102	0	-0.0423	0.4679
762	13.3	12.9	6.433	0	-0.0111	6.4219	0.508	0	-0.0334	0.4746
763	13.2	12.8	6.4321	0	-0.0105	6.4215	0.5052	0	-0.0302	0.475
764	13.1	12.8	6.431	0	-0.0093	6.4218	0.5039	0	-0.0286	0.4754
765	12.5	12.8	6.4297	0	-0.0111	6.4186	0.5014	0	-0.0309	0.4705
766	12.6	12.7	6.4284	0	-0.0115	6.4169	0.4968	0	-0.0606	0.4362
767	12	12.8	6.4272	0	-0.0118	6.4153	0.4942	0	-0.0501	0.4442
768	11.8	12.7	6.4263	0	-0.0112	6.4151	0.4994	0	-0.0732	0.4262

769	12.3	12.6	6.4257	0	-0.0097	6.416	0.505	0	-0.0751	0.4299
770	12.5	12.6	6.4254	0	-0.0092	6.4162	0.5139	0	-0.056	0.4579
771	12.5	12.5	6.4251	0	-0.0099	6.4152	0.5098	0	-0.0501	0.4598
772	12.5	12.4	6.4243	0	-0.0096	6.4146	0.5032	0	-0.0415	0.4617
773	12.2	12.3	6.4235	0	-0.009	6.4146	0.5044	0	-0.0323	0.4721
774	12.4	12.2	6.4228	0	-0.0121	6.4108	0.511	0	-0.0298	0.4811
775	12.2	12.2	6.4224	0	-0.011	6.4113	0.52	0	-0.0409	0.4791
776	13.3	12.2	6.4225	0	-0.0087	6.4138	0.528	0	-0.0461	0.4819
777	12.5	12.3	6.4226	0	-0.0086	6.414	0.5289	0	-0.0323	0.4966
778	11.7	12.3	6.4225	0	-0.0096	6.4129	0.5238	0	-0.0298	0.494
779	12.1	12.3	6.422	0	-0.0107	6.4113	0.5127	0	-0.0105	0.5022
780	12.1	12.3	6.4209	0	-0.0124	6.4085	0.5091	0	-0.042	0.4671
781	11.6	12.4	6.42	0	-0.0137	6.4063	0.5053	0	-0.0599	0.4454
782	11.6	12.4	6.4196	0	-0.0143	6.4053	0.5016	0	-0.0589	0.4427
783	11.8	12.4	6.4192	0	-0.0157	6.4035	0.5024	0	-0.0772	0.4252
784	12.8	12.4	6.4193	0	-0.013	6.4063	0.4993	0	-0.0758	0.4235
785	12.5	12.4	6.4187	0	-0.0125	6.4062	0.497	0	-0.0668	0.4302
786	12.3	12.3	6.4172	0	-0.0109	6.4063	0.4957	0	-0.0688	0.4269
787	12.2	12.3	6.4166	0	-0.0102	6.4064	0.4917	0	-0.0707	0.421
788	12.8	12.3	6.4164	0	-0.0103	6.4061	0.4853	0	-0.0528	0.4325
789	13.5	12.3	6.4166	0	-0.0103	6.4063	0.4793	0	-0.02	0.4594
790	13.2	12.3	6.4171	0	-0.0088	6.4083	0.4819	0	-0.0092	0.4727
791	12.2	12.3	6.4176	0	-0.0075	6.4102	0.489	0	0.006	0.495
792	12	12.3	6.4179	0	-0.0078	6.41	0.4858	0	-0.0078	0.478
793	12.6	12.3	6.4177	0	-0.0088	6.4089	0.4883	0	0.0059	0.4942
794	12.3	12.3	6.4174	0	-0.0091	6.4083	0.4891	0	0.0049	0.494
795	12.2	12.2	6.4172	0	-0.0083	6.4089	0.4865	0	-0.0066	0.4799
796	12.1	12.2	6.417	0	-0.0082	6.4088	0.483	0	-0.0176	0.4653
797	12.2	12.2	6.4166	0	-0.011	6.4056	0.4785	0	-0.0419	0.4366
798	11.8	12.1	6.4164	0	-0.008	6.4084	0.4724	0	-0.0604	0.412
799	12	12.1	6.4155	0	-0.0114	6.4041	0.4664	0	-0.0404	0.426
800	12.2	12.1	6.4146	0	-0.0107	6.4038	0.4629	0	-0.025	0.438
801	12	12.1	6.4142	0	-0.0112	6.403	0.4566	0	-0.0169	0.4398
802	11.7	12.1	6.4142	0	-0.0126	6.4015	0.4522	0	-0.0051	0.4471
803	11.6	12.1	6.414	0	-0.0126	6.4014	0.4475	0	-0.0005	0.447
804	11.7	12.1	6.4137	0	-0.0123	6.4014	0.4397	0	0.0072	0.4469
805	11.7	12.1	6.4133	0	-0.0115	6.4018	0.433	0	0.0061	0.439

806	11.8	12.1	6.4125	0	-0.0124	6.4001	0.4272	0	0.019	0.4462
807	12.1	12.1	6.411	0	-0.0123	6.3987	0.4266	0	0.017	0.4436
808	12.7	12.1	6.4099	0	-0.0119	6.398	0.4293	0	-0.0037	0.4257
809	12.8	12	6.4086	0	-0.0117	6.3969	0.4288	0	-0.0237	0.405
810	12.5	12	6.4076	0	-0.0115	6.3961	0.4232	0	-0.0324	0.3907
811	12.2	12	6.4072	0	-0.0132	6.394	0.4183	0	-0.0142	0.4041
812	12.1	12	6.407	0	-0.0134	6.3936	0.4141	0	-0.0191	0.395
813	12.3	12	6.4067	0	-0.0126	6.3941	0.4095	0	0.0064	0.4158
814	12.3	12	6.4066	0	-0.0121	6.3945	0.4005	0	0.0353	0.4358
815	11.9	12	6.4069	0	-0.0109	6.396	0.3921	0	0.0418	0.4338
816	11.7	12	6.4068	0	-0.01	6.3968	0.3828	0	0.0088	0.3916
817	12.2	12	6.406	0	-0.0087	6.3974	0.3718	0	0.0075	0.3793
818	11.6	12	6.4048	0	-0.008	6.3968	0.3634	0	0.0001	0.3636
819	10.9	12	6.4033	0	-0.0095	6.3938	0.3587	0	0.0078	0.3665
820	11.9	12	6.4024	0	-0.0092	6.3932	0.3555	0	0.0178	0.3733
821	11.9	12	6.4018	0	-0.0093	6.3925	0.3556	0	-0.0044	0.3511
822	11.8	11.9	6.4008	0	-0.0106	6.3903	0.3588	0	-0.0087	0.3501
823	11.9	11.9	6.3998	0	-0.0107	6.3891	0.3562	0	-0.0085	0.3476
824	12.1	11.9	6.3989	0	-0.0096	6.3893	0.3534	0	0.0148	0.3682
825	12	11.8	6.3982	0	-0.0096	6.3887	0.3498	0	0.0205	0.3703
826	11.8	11.8	6.398	0	-0.0103	6.3877	0.3556	0	0.0195	0.375
827	11.9	11.8	6.3979	0	-0.0099	6.3881	0.3673	0	0.0406	0.408
828	12.4	11.8	6.3982	0	-0.0109	6.3873	0.3767	0	0.037	0.4138
829	12.3	11.9	6.3983	0	-0.0093	6.389	0.3847	0	0.025	0.4097
830	12.3	11.8	6.398	0	-0.009	6.3889	0.3885	0	-0.0037	0.3848
831	11.5	11.8	6.3975	0	-0.0095	6.388	0.3857	0	-0.0372	0.3485
832	11.5	11.7	6.3971	0	-0.009	6.3881	0.3821	0	-0.0343	0.3478
833	11.6	11.7	6.397	0	-0.0099	6.3871	0.3837	0	-0.0421	0.3416
834	11.6	11.7	6.397	0	-0.0107	6.3863	0.3875	0	-0.068	0.3194
835	11.7	11.6	6.397	0	-0.0105	6.3865	0.3941	0	-0.0341	0.3601
836	11.6	11.5	6.3971	0	-0.0104	6.3867	0.3797	0	-0.0951	0.2846
837	11.6	11.5	6.3973	0	-0.0111	6.3862	0.3524	0	-0.0537	0.2986
838	12	11.4	6.3972	0	-0.0125	6.3847	0.3384	0	-0.0339	0.3045
839	11.1	11.3	6.3969	0	-0.014	6.3829	0.3343	0	-0.033	0.3013
840	11	11.3	6.3959	0	-0.0161	6.3798	0.3402	0	-0.0284	0.3118
841	10.9	11.3	6.3953	0	-0.0135	6.3818	0.3532	0	-0.0173	0.3359
842	11.2	11.2	6.3947	0	-0.0136	6.3811	0.3648	0	-0.0159	0.3489

843	11.7	11.2	6.3944	0	-0.0131	6.3813	0.3688	0	-0.0233	0.3456
844	10.9	11.2	6.3945	0	-0.0134	6.3811	0.3683	0	-0.0439	0.3244
845	10.7	11.2	6.3947	0	-0.0135	6.3811	0.3665	0	-0.0392	0.3273
846	11.2	11.1	6.3947	0	-0.0122	6.3825	0.3638	0	-0.03	0.3338
847	11	11.1	6.3948	0	-0.0116	6.3832	0.3686	0	-0.0265	0.3421
848	10.6	11	6.3945	0	-0.0127	6.3818	0.3722	0	-0.0497	0.3225
849	11.3	11	6.394	0	-0.0118	6.3822	0.3749	0	-0.0203	0.3546
850	11.4	11	6.3932	0	-0.0095	6.3838	0.369	0	-0.0585	0.3104
851	10.6	11	6.3927	0	-0.0101	6.3826	0.3607	0	-0.047	0.3137
852	11.4	11	6.3925	0	-0.0106	6.3819	0.358	0	-0.0233	0.3347
853	11.3	11	6.3924	0	-0.0091	6.3833	0.3593	0	0.0009	0.3602
854	10.9	11	6.3927	0	-0.0089	6.3837	0.3598	0	0.0079	0.3677
855	10.7	11.1	6.3929	0	-0.009	6.3839	0.3727	0	0.03	0.4026
856	10.7	11	6.3928	0	-0.0088	6.384	0.3765	0	0.0389	0.4154
857	10.7	11	6.3926	0	-0.0092	6.3834	0.3766	0	-0.0031	0.3734
858	10.8	11	6.3925	0	-0.0091	6.3834	0.3627	0	-0.002	0.3607
859	11.2	10.9	6.3925	0	-0.0083	6.3842	0.35	0	0.0012	0.3512
860	10.9	10.9	6.3923	0	-0.0104	6.3819	0.3315	0	0.0091	0.3405
861	11.7	10.9	6.3924	0	-0.0099	6.3825	0.3166	0	0.0171	0.3338
862	11.5	10.9	6.392	0	-0.0117	6.3803	0.3116	0	0.0091	0.3207
863	11.1	10.8	6.392	0	-0.0141	6.3779	0.3117	0	0.0201	0.3317
864	11.1	10.8	6.3918	0	-0.0135	6.3784	0.3119	0	0.0342	0.346
865	10.6	10.8	6.3915	0	-0.012	6.3794	0.3164	0	0.0386	0.355
866	10.1	10.8	6.3912	0	-0.0122	6.3789	0.3257	0	0.0568	0.3825
867	10.3	10.9	6.3908	0	-0.0118	6.379	0.3282	0	0.0592	0.3875
868	10.6	10.8	6.3905	0	-0.012	6.3785	0.3229	0	0.0408	0.3637
869	10.7	10.8	6.3902	0	-0.0115	6.3787	0.313	0	0.0256	0.3386
870	10.7	10.8	6.3898	0	-0.0087	6.3811	0.3016	0	0.0022	0.3038
871	10.6	10.8	6.3892	0	-0.009	6.3802	0.2958	0	0.004	0.2998
872	10.8	10.7	6.3887	0	-0.0088	6.3799	0.2904	0	0.0028	0.2932
873	10.5	10.7	6.3882	0	-0.0104	6.3778	0.2812	0	-0.0086	0.2726
874	10.8	10.7	6.3878	0	-0.0141	6.3737	0.2714	0	-0.0064	0.265
875	11.1	10.7	6.3868	0	-0.013	6.3738	0.2611	0	0.0053	0.2664
876	11	10.7	6.3858	0	-0.0128	6.373	0.2549	0	0.0045	0.2594
877	10.6	10.8	6.3849	0	-0.0123	6.3726	0.2517	0	-0.0041	0.2476
878	10.9	10.8	6.3841	0	-0.0121	6.372	0.2495	0	-0.0181	0.2314
879	10.9	10.8	6.3832	0	-0.0104	6.3728	0.2581	0	-0.0307	0.2274

880	10.5	10.8	6.3824	0	-0.0087	6.3737	0.2615	0	-0.0093	0.2523
881	10.8	10.8	6.3818	0	-0.0103	6.3715	0.2599	0	-0.024	0.2359
882	10.9	10.8	6.3813	0	-0.0101	6.3712	0.2585	0	-0.0336	0.2249
883	10.7	10.8	6.3805	0	-0.0089	6.3715	0.2562	0	-0.0232	0.233
884	10.6	10.8	6.3798	0	-0.0096	6.3703	0.2571	0	-0.0246	0.2326
885	11.4	10.8	6.3807	0	-0.003	6.3777	0.2597	0	-0.0309	0.2288
886	10.6	10.8	6.382	0	-0.0055	6.3764	0.26	0	-0.039	0.221
887	10.7	10.8	6.3828	0	-0.0068	6.3759	0.2656	0	-0.0442	0.2214
888	11	10.8	6.383	0	-0.007	6.376	0.2752	0	-0.0339	0.2412
889	11.2	10.8	6.3826	0	-0.0074	6.3751	0.2786	0	-0.0487	0.2299
890	10.9	10.8	6.3817	0	-0.0071	6.3747	0.2778	0	-0.0551	0.2227
891	10.5	10.7	6.3811	0	-0.0059	6.3753	0.2713	0	-0.0527	0.2186
892	11	10.7	6.381	0	-0.0055	6.3755	0.2686	0	-0.012	0.2565
893	10.8	10.6	6.3809	0	-0.0044	6.3765	0.2739	0	0.0056	0.2795
894	10.8	10.6	6.3808	0	-0.0052	6.3756	0.2804	0	0.0141	0.2946
895	10.2	10.6	6.3808	0	-0.0053	6.3755	0.2888	0	0.008	0.2969
896	10.8	10.6	6.3801	0	-0.0055	6.3746	0.2952	0	0.0125	0.3077
897	10.6	10.6	6.3794	0	-0.006	6.3734	0.2938	0	0.0224	0.3162
898	10.6	10.5	6.3789	0	-0.006	6.3729	0.2889	0	0.0044	0.2934
899	10.4	10.5	6.3786	0	-0.0056	6.3731	0.2832	0	-0.0175	0.2657
900	10.2	10.4	6.3785	0	-0.006	6.3725	0.2756	0	-0.0187	0.2569
901	9.92	10.5	6.3784	0	-0.0089	6.3695	0.273	0	0.0189	0.2918
902	10.1	10.4	6.3782	0	-0.0127	6.3655	0.2655	0	0.014	0.2795
903	10.5	10.4	6.378	0	-0.0134	6.3646	0.2632	0	0.0224	0.2856
904	10.3	10.4	6.3764	0	-0.0153	6.3611	0.2679	0	0.0604	0.3283
905	10.5	10.4	6.3756	0	-0.0154	6.3602	0.2744	0	0.0742	0.3486
906	10.5	10.4	6.3749	0	-0.0121	6.3628	0.2766	0	0.0707	0.3473
907	10.2	10.5	6.3747	0	-0.0121	6.3626	0.2763	0	0.0679	0.3442
908	10.2	10.5	6.3749	0	-0.0121	6.3629	0.2744	0	0.0623	0.3367
909	10.5	10.5	6.3754	0	-0.0126	6.3629	0.2705	0	0.0468	0.3173
910	10.8	10.5	6.3759	0	-0.0132	6.3627	0.2675	0	0.0501	0.3176
911	10.7	10.6	6.376	0	-0.0141	6.3619	0.2652	0	0.0546	0.3198
912	10.3	10.6	6.3758	0	-0.0154	6.3604	0.2667	0	0.0576	0.3243
913	10.2	10.7	6.3755	0	-0.016	6.3595	0.2655	0	0.0569	0.3225
914	10.6	10.7	6.375	0	-0.0159	6.359	0.2736	0	0.0467	0.3203
915	11.6	10.7	6.3743	0	-0.0166	6.3577	0.276	0	0.0593	0.3353
916	11.3	10.7	6.374	0	-0.0159	6.3581	0.2765	0	0.0714	0.3479

917	10.7	10.7	6.3737	0	-0.0127	6.361	0.2814	0	0.0642	0.3456
918	10.8	10.7	6.3735	0	-0.0106	6.363	0.2848	0	0.0612	0.346
919	10.8	10.6	6.3732	0	-0.0097	6.3635	0.2863	0	0.038	0.3243
920	10.6	10.6	6.3728	0	-0.0096	6.3633	0.2898	0	0.0154	0.3052
921	11.1	10.6	6.3727	0	-0.0096	6.3632	0.2851	0	0.0366	0.3217
922	11.2	10.6	6.3727	0	-0.0097	6.363	0.2843	0	0.0456	0.3299
923	10.4	10.6	6.3727	0	-0.0101	6.3626	0.2812	0	0.0452	0.3264
924	10.1	10.5	6.3728	0	-0.0102	6.3626	0.277	0	0.0262	0.3032
925	10.6	10.5	6.3727	0	-0.01	6.3627	0.2746	0	-0.0161	0.2585
926	10.9	10.4	6.3728	0	-0.0099	6.3629	0.2623	0	-0.0128	0.2495
927	10	10.4	6.373	0	-0.0081	6.3649	0.2514	0	-0.0129	0.2385
928	9.71	10.3	6.3724	0	-0.0078	6.3646	0.2439	0	0.0025	0.2464
929	9.79	10.3	6.3721	0	-0.0083	6.3638	0.2338	0	0.0209	0.2547
930	10.2	10.3	6.372	0	-0.0066	6.3653	0.2226	0	0.0433	0.2659
931	10.2	10.2	6.3717	0	-0.0061	6.3656	0.2136	0	0.061	0.2746
932	9.97	10.2	6.3715	0	-0.0067	6.3648	0.2069	0	0.052	0.2589
933	10.1	10.2	6.3713	0	-0.0074	6.3638	0.2026	0	0.0549	0.2576
934	10.2	10.2	6.371	0	-0.0076	6.3635	0.1972	0	0.076	0.2732
935	9.95	10.2	6.371	0	-0.0066	6.3644	0.1937	0	0.0616	0.2553
936	10.2	10.1	6.3705	0	-0.006	6.3646	0.2068	0	0.1273	0.3341
937	10.4	10.1	6.3698	0	-0.0077	6.3621	0.2253	0	0.1071	0.3324
938	10.5	10.2	6.3693	0	-0.0076	6.3617	0.2396	0	0.1041	0.3437
939	10.2	10.2	6.3691	0	-0.0085	6.3606	0.2462	0	0.1045	0.3507
940	10.1	10.2	6.3688	0	-0.0108	6.358	0.2443	0	0.0975	0.3418
941	9.94	10.3	6.3684	0	-0.0123	6.3561	0.2384	0	0.116	0.3544
942	9.99	10.3	6.3673	0	-0.0142	6.3532	0.2353	0	0.1376	0.3729
943	10.4	10.3	6.3663	0	-0.0145	6.3518	0.2332	0	0.098	0.3312
944	10.6	10.3	6.3656	0	-0.0142	6.3514	0.2405	0	0.1512	0.3917
945	10.3	10.4	6.3651	0	-0.0148	6.3504	0.2478	0	0.1303	0.3781
946	10	10.4	6.3654	0	-0.0144	6.3509	0.2537	0	0.1387	0.3924
947	10.6	10.4	6.3659	0	-0.012	6.3539	0.2518	0	0.1437	0.3955
948	10.2	10.3	6.3662	0	-0.011	6.3552	0.2498	0	0.1442	0.394
949	10.4	10.3	6.3664	0	-0.0099	6.3565	0.2444	0	0.1489	0.3934
950	10.9	10.4	6.3659	0	-0.0113	6.3546	0.2375	0	0.1492	0.3867
951	10.3	10.4	6.3661	0	-0.0115	6.3546	0.2334	0	0.1339	0.3673
952	10.4	10.4	6.3662	0	-0.0129	6.3533	0.2278	0	0.106	0.3338
953	10.5	10.4	6.3656	0	-0.0152	6.3504	0.2227	0	0.0793	0.3019

954	10.7	10.4	6.3652	0	-0.0164	6.3489	0.2232	0	0.051	0.2742
955	10.6	10.4	6.3652	0	-0.0161	6.3491	0.2091	0	0.046	0.255
956	10	10.4	6.3652	0	-0.0156	6.3495	0.2012	0	0.051	0.2522
957	9.81	10.4	6.3652	0	-0.0154	6.3498	0.1916	0	0.0823	0.2739
958	10.6	10.4	6.3654	0	-0.0138	6.3517	0.1886	0	0.0823	0.2708
959	10.4	10.4	6.3657	0	-0.0133	6.3524	0.1923	0	0.0834	0.2757
960	10.4	10.4	6.3658	0	-0.0159	6.3499	0.1994	0	0.0752	0.2746
961	10.8	10.4	6.3657	0	-0.0157	6.3501	0.2048	0	0.0691	0.2739
962	10.6	10.4	6.3655	0	-0.0174	6.3481	0.2069	0	0.0638	0.2707
963	10.4	10.3	6.3646	0	-0.0187	6.3459	0.2044	0	0.0407	0.2451
964	10.2	10.3	6.3642	0	-0.0194	6.3448	0.2025	0	0.0322	0.2347
965	9.92	10.3	6.3638	0	-0.0192	6.3446	0.1995	0	0.0213	0.2207
966	9.75	10.3	6.363	0	-0.0187	6.3444	0.1989	0	0.0412	0.2401
967	9.99	10.3	6.3623	0	-0.018	6.3444	0.198	0	0.0555	0.2534
968	10.6	10.3	6.3618	0	-0.0158	6.346	0.1968	0	0.0913	0.2882
969	10.7	10.3	6.3612	0	-0.013	6.3482	0.1955	0	0.1201	0.3155
970	10.5	10.3	6.3613	0	-0.0124	6.3489	0.1911	0	0.1346	0.3257
971	10.6	10.3	6.3608	0	-0.0136	6.3472	0.1893	0	0.1341	0.3234
972	10	10.3	6.3605	0	-0.0133	6.3472	0.1921	0	0.1233	0.3155
973	10.2	10.2	6.3605	0	-0.0131	6.3474	0.1927	0	0.1108	0.3036
974	10.1	10.2	6.3604	0	-0.0125	6.3479	0.1909	0	0.1129	0.3037
975	10	10.2	6.3606	0	-0.0117	6.3489	0.1939	0	0.108	0.302
976	9.96	10.2	6.3607	0	-0.0115	6.3492	0.1979	0	0.0977	0.2955
977	10.2	10.2	6.3605	0	-0.0125	6.348	0.2025	0	0.0997	0.3022
978	10.7	10.2	6.3607	0	-0.0142	6.3465	0.2041	0	0.1167	0.3208
979	10.8	10.2	6.3609	0	-0.0147	6.3462	0.1959	0	0.0994	0.2953
980	10.5	10.2	6.361	0	-0.0148	6.3462	0.1924	0	0.0915	0.284
981	10	10.1	6.3611	0	-0.0155	6.3456	0.1906	0	0.1112	0.3018
982	9.65	10.1	6.361	0	-0.0156	6.3454	0.1876	0	0.1114	0.2989
983	9.77	10.1	6.3607	0	-0.0165	6.3442	0.1857	0	0.1032	0.2889
984	9.89	10.1	6.3605	0	-0.0157	6.3448	0.185	0	0.11	0.2951
985	10.1	10.1	6.3601	0	-0.0157	6.3443	0.1908	0	0.1311	0.3219
986	10	10.1	6.3594	0	-0.0162	6.3432	0.194	0	0.1326	0.3266
987	10.1	10.1	6.3588	0	-0.0172	6.3416	0.1913	0	0.1643	0.3556
988	10.4	10	6.3584	0	-0.0175	6.3409	0.1852	0	0.1533	0.3385
989	10.3	10	6.3581	0	-0.0172	6.341	0.1854	0	0.1477	0.3332
990	9.62	9.99	6.3579	0	-0.0187	6.3393	0.189	0	0.106	0.295

991	9.74	10	6.3576	0	-0.0196	6.338	0.1911	0	0.0752	0.2663
992	9.99	10.1	6.3577	0	-0.0153	6.3424	0.1884	0	0.0671	0.2555
993	10.5	10.1	6.3568	0	-0.0195	6.3373	0.1773	0	0.0492	0.2265
994	9.83	10.1	6.356	0	-0.0182	6.3378	0.1699	0	0.0543	0.2242
995	9.68	10.1	6.3554	0	-0.0192	6.3363	0.1585	0	0.0691	0.2276
996	9.93	10.1	6.355	0	-0.0199	6.335	0.1567	0	0.0661	0.2228
997	10.2	10.1	6.3544	0	-0.0205	6.334	0.1653	0	0.0847	0.25
998	10.1	10.1	6.3545	0	-0.0209	6.3336	0.1776	0	0.0945	0.2721
999	10.1	10.1	6.3549	0	-0.0205	6.3344	0.1837	0	0.118	0.3017
1000	10.5	10.1	6.3552	0	-0.0194	6.3357	0.186	0	0.142	0.3279
1001	10.6	10.1	6.3556	0	-0.0195	6.3362	0.1803	0	0.1286	0.3089
1002	10.5	10.1	6.356	0	-0.0206	6.3353	0.1824	0	0.1073	0.2897
1003	9.81	10.1	6.3557	0	-0.0185	6.3372	0.1832	0	0.0676	0.2508
1004	10.4	10.1	6.3555	0	-0.0199	6.3356	0.1763	0	0.0338	0.2101
1005	9.77	10.1	6.3555	0	-0.0205	6.335	0.1722	0	0.0261	0.1983
1006	10.2	10.1	6.3557	0	-0.0203	6.3354	0.1709	0	0.0353	0.2061
1007	10.2	10.1	6.3559	0	-0.0203	6.3355	0.1699	0	0.0189	0.1888
1008	9.95	10.1	6.3557	0	-0.0204	6.3353	0.1745	0	0.0266	0.201
1009	9.82	10.1	6.3555	0	-0.0201	6.3354	0.1809	0	0.0252	0.2061
1010	9.73	10	6.3554	0	-0.0201	6.3354	0.1825	0	0.0432	0.2257
1011	9.8	9.98	6.3553	0	-0.0205	6.3348	0.1863	0	0.0123	0.1986
1012	10.1	9.95	6.3554	0	-0.0195	6.3359	0.1889	0	0.0001	0.189
1013	10.2	9.94	6.3553	0	-0.0192	6.336	0.1891	0	-0.0266	0.1626
1014	9.62	9.9	6.355	0	-0.0181	6.337	0.1832	0	-0.0342	0.1491
1015	9.33	9.91	6.3544	0	-0.0207	6.3337	0.1833	0	-0.0366	0.1467
1016	10.2	9.88	6.3542	0	-0.0215	6.3327	0.186	0	-0.0435	0.1424
1017	10.4	9.81	6.3541	0	-0.0219	6.3322	0.1817	0	-0.0155	0.1662
1018	9.85	9.76	6.354	0	-0.0226	6.3314	0.1768	0	-0.0075	0.1693
1019	9.68	9.72	6.354	0	-0.0231	6.3309	0.1781	0	0.015	0.1931
1020	9.95	9.71	6.3539	0	-0.023	6.3309	0.1772	0	0.0632	0.2404
1021	9.95	9.68	6.3535	0	-0.0219	6.3317	0.1843	0	0.0685	0.2528
1022	9.61	9.64	6.3534	0	-0.0208	6.3327	0.1839	0	0.0592	0.2431
1023	9.64	9.6	6.3536	0	-0.0213	6.3322	0.1834	0	0.0767	0.26
1024	10	9.59	6.3534	0	-0.021	6.3324	0.182	0	0.0813	0.2633
1025	9.5	9.6	6.3529	0	-0.0198	6.3332	0.1817	0	0.0889	0.2706
1026	8.97	9.53	6.3526	0	-0.0199	6.3327	0.1904	0	0.1015	0.2919
1027	8.85	9.45	6.3526	0	-0.0197	6.3328	0.2001	0	0.0743	0.2744

1028	9.24	9.39	6.3528	0	-0.0178	6.335	0.2	0	0.0416	0.2416
1029	9.43	9.37	6.3529	0	-0.0175	6.3354	0.1989	0	0.0184	0.2173
1030	9.33	9.33	6.3529	0	-0.0178	6.3351	0.2021	0	0.0295	0.2316
1031	9.29	9.28	6.3529	0	-0.0172	6.3357	0.2023	0	0.0351	0.2374
1032	9.4	9.24	6.3529	0	-0.017	6.3359	0.2117	0	0.0508	0.2625
1033	9.46	9.19	6.3528	0	-0.0184	6.3343	0.2179	0	0.0369	0.2548
1034	9.55	9.13	6.352	0	-0.0207	6.3313	0.2202	0	0.0113	0.2316
1035	8.99	9.08	6.3516	0	-0.0198	6.3318	0.2243	0	0.0158	0.2401
1036	8.79	9.11	6.3514	0	-0.0224	6.329	0.2286	0	0.0197	0.2482
1037	8.72	9.11	6.3512	0	-0.023	6.3282	0.2308	0	0.0189	0.2497
1038	9.22	9.13	6.3508	0	-0.0224	6.3284	0.2359	0	0.0034	0.2393
1039	9.19	9.13	6.3502	0	-0.0191	6.3311	0.2402	0	0.0109	0.251
1040	9.04	9.12	6.3497	0	-0.0183	6.3314	0.2314	0	0.0191	0.2505
1041	8.9	9.1	6.3496	0	-0.019	6.3306	0.2391	0	0.0271	0.2663
1042	8.77	9.09	6.3496	0	-0.0191	6.3305	0.2421	0	-0.0223	0.2198
1043	8.76	9.08	6.3493	0	-0.02	6.3294	0.2494	0	0.02	0.2695
1044	8.66	9.08	6.3498	0	-0.0211	6.3286	0.2421	0	-0.0051	0.2369
1045	9.46	9.09	6.3495	0	-0.0214	6.3281	0.2282	0	0.0325	0.2607
1046	8.87	9.11	6.3488	0	-0.0229	6.3259	0.2126	0	0.0354	0.248
1047	9.58	9.13	6.3481	0	-0.0215	6.3267	0.2039	0	0.0261	0.23
1048	9.39	9.12	6.3478	0	-0.0228	6.3251	0.203	0	0.0191	0.2221
1049	9.14	9.11	6.3478	0	-0.0241	6.3237	0.2052	0	0.0103	0.2155
1050	9.08	9.15	6.3479	0	-0.0242	6.3237	0.2093	0	-0.0014	0.2078
1051	9.08	9.21	6.3479	0	-0.0222	6.3257	0.2075	0	-0.0037	0.2038
1052	9.32	9.26	6.3479	0	-0.0196	6.3282	0.2084	0	-0.0273	0.1811
1053	9.55	9.3	6.348	0	-0.0186	6.3294	0.2133	0	-0.042	0.1713
1054	9.23	9.35	6.348	0	-0.019	6.3291	0.214	0	-0.0351	0.1788
1055	9.15	9.36	6.3481	0	-0.0196	6.3285	0.2144	0	-0.0703	0.1441
1056	9.05	9.39	6.3482	0	-0.0175	6.3307	0.215	0	-0.0659	0.1491
1057	9.08	9.37	6.3477	0	-0.0181	6.3297	0.2156	0	-0.0408	0.1748
1058	8.89	9.36	6.3474	0	-0.0163	6.3311	0.214	0	-0.028	0.186
1059	9.89	9.39	6.3475	0	-0.0176	6.3299	0.2135	0	-0.013	0.2005
1060	10.1	9.44	6.3472	0	-0.0171	6.3301	0.2228	0	-0.0175	0.2053
1061	9.66	9.46	6.3468	0	-0.0157	6.3312	0.2359	0	-0.022	0.2139
1062	9.49	9.46	6.3466	0	-0.0148	6.3318	0.2466	0	-0.0307	0.2158
1063	9.66	9.47	6.3463	0	-0.0153	6.331	0.2513	0	-0.0302	0.2211
1064	9.71	9.51	6.3459	0	-0.0157	6.3302	0.2516	0	-0.0387	0.2129

1065	9.45	9.56	6.3452	0	-0.0148	6.3304	0.2512	0	-0.0276	0.2236
1066	9.24	9.59	6.3449	0	-0.0171	6.3278	0.2453	0	-0.047	0.1983
1067	9.18	9.62	6.3447	0	-0.0172	6.3275	0.2432	0	-0.0524	0.1909
1068	9.65	9.67	6.344	0	-0.0173	6.3267	0.2404	0	-0.057	0.1835
1069	10	9.65	6.3435	0	-0.0193	6.3241	0.2352	0	-0.0636	0.1716
1070	9.46	9.63	6.3429	0	-0.0192	6.3236	0.2269	0	-0.0725	0.1544
1071	9.42	9.64	6.3424	0	-0.0195	6.3229	0.2135	0	-0.0762	0.1373
1072	9.62	9.67	6.3422	0	-0.021	6.3212	0.193	0	-0.055	0.138
1073	10.1	9.68	6.3423	0	-0.0212	6.3211	0.1831	0	-0.0476	0.1355
1074	10.1	9.7	6.3422	0	-0.0214	6.3208	0.1812	0	-0.045	0.1362
1075	9.57	9.74	6.3415	0	-0.0219	6.3197	0.1842	0	-0.0434	0.1408
1076	9.8	9.79	6.3407	0	-0.0189	6.3217	0.1859	0	-0.0373	0.1486
1077	9.75	9.87	6.3405	0	-0.0167	6.3238	0.188	0	-0.0396	0.1484
1078	9.58	9.93	6.3408	0	-0.016	6.3248	0.1946	0	-0.0278	0.1668
1079	9.71	9.94	6.3407	0	-0.0176	6.3231	0.2058	0	0.0007	0.2066
1080	9.73	9.98	6.3408	0	-0.0183	6.3225	0.2146	0	0.0026	0.2172
1081	10.1	10	6.3399	0	-0.0206	6.3194	0.2158	0	0.0029	0.2187
1082	9.79	10.1	6.3392	0	-0.0193	6.3199	0.2141	0	0.0084	0.2225
1083	10.1	10.1	6.3387	0	-0.0177	6.3211	0.2084	0	0.0292	0.2376
1084	10.3	10.1	6.338	0	-0.0173	6.3207	0.2087	0	0.0079	0.2167
1085	10.2	10.1	6.3372	0	-0.0177	6.3195	0.2065	0	-0.0071	0.1995
1086	10.7	10.1	6.3364	0	-0.0181	6.3182	0.2063	0	-0.0142	0.1921
1087	10.8	10.1	6.3352	0	-0.0176	6.3176	0.2045	0	-0.0215	0.183
1088	10.2	10.1	6.3344	0	-0.0186	6.3158	0.2017	0	-0.029	0.1728
1089	10.2	10.1	6.335	0	-0.0191	6.3159	0.1956	0	-0.0267	0.1689
1090	10.4	10.1	6.334	0	-0.0214	6.3126	0.1884	0	0.0019	0.1903
1091	10.5	10.1	6.3334	0	-0.0174	6.316	0.1824	0	-0.0064	0.176
1092	9.7	10.1	6.3327	0	-0.0173	6.3154	0.183	0	-0.0207	0.1624
1093	9.88	10.1	6.3326	0	-0.019	6.3136	0.1836	0	-0.0212	0.1624
1094	10.1	10.1	6.3332	0	-0.0215	6.3117	0.1793	0	-0.0195	0.1598
1095	10.2	10.1	6.3342	0	-0.0227	6.3115	0.1807	0	-0.0284	0.1523
1096	10.1	10.1	6.3346	0	-0.0225	6.312	0.175	0	-0.0135	0.1615
1097	9.61	10	6.3341	0	-0.0224	6.3118	0.1691	0	-0.0549	0.1142
1098	9.77	10	6.334	0	-0.0219	6.312	0.1608	0	-0.0642	0.0966
1099	10	9.99	6.334	0	-0.0203	6.3136	0.1575	0	-0.0774	0.0801
1100	10.1	9.94	6.3344	0	-0.019	6.3154	0.157	0	-0.0716	0.0854
1101	9.67	9.87	6.3348	0	-0.0167	6.318	0.1569	0	-0.0561	0.1008

1102	10.2	9.84	6.3346	0	-0.0164	6.3182	0.1534	0	-0.0358	0.1175
1103	9.89	9.82	6.3343	0	-0.015	6.3193	0.1504	0	-0.0081	0.1424
1104	9.65	9.82	6.3341	0	-0.0129	6.3212	0.149	0	0.0053	0.1543
1105	9.95	9.8	6.334	0	-0.0139	6.3201	0.1492	0	-0.0034	0.1458
1106	10.4	9.77	6.3342	0	-0.0162	6.3179	0.1518	0	-0.0049	0.147
1107	10.2	9.77	6.3345	0	-0.0175	6.3169	0.1551	0	0.0053	0.1604
1108	9.46	9.78	6.3343	0	-0.0191	6.3152	0.1499	0	-0.0177	0.1322
1109	9.39	9.76	6.3332	0	-0.0183	6.3149	0.1485	0	-0.0274	0.1211
1110	9.32	9.73	6.3318	0	-0.0179	6.314	0.1491	0	-0.0373	0.1118
1111	9.05	9.77	6.3307	0	-0.0174	6.3132	0.1421	0	-0.0304	0.1117
1112	9.57	9.76	6.3303	0	-0.0164	6.3138	0.1356	0	-0.0386	0.0971
1113	9.95	9.74	6.3301	0	-0.0154	6.3148	0.1309	0	-0.0207	0.1102
1114	9.95	9.73	6.3299	0	-0.0153	6.3146	0.1261	0	-0.0185	0.1076
1115	9.58	9.72	6.3299	0	-0.016	6.3139	0.1215	0	-0.0184	0.1031
1116	9.57	9.68	6.3299	0	-0.0163	6.3136	0.1236	0	-0.0109	0.1127
1117	9.85	9.66	6.33	0	-0.0162	6.3138	0.1207	0	-0.0307	0.09
1118	9.75	9.68	6.3305	0	-0.0162	6.3142	0.1225	0	-0.0287	0.0938
1119	9.59	9.69	6.3314	0	-0.0159	6.3155	0.12	0	-0.0227	0.0972
1120	10.3	9.7	6.3325	0	-0.0154	6.3172	0.1159	0	-0.021	0.0949
1121	10.1	9.69	6.3342	0	-0.0164	6.3178	0.1082	0	-0.0167	0.0915
1122	9.43	9.67	6.3351	0	-0.016	6.3191	0.1038	0	-0.023	0.0808
1123	9.55	9.61	6.3355	0	-0.0169	6.3186	0.1072	0	-0.0315	0.0757
1124	9.62	9.59	6.335	0	-0.0166	6.3183	0.1132	0	-0.0478	0.0654
1125	9.65	9.58	6.3343	0	-0.016	6.3183	0.1118	0	-0.0868	0.0251
1126	9.88	9.56	6.3338	0	-0.0159	6.3178	0.0986	0	-0.0803	0.0183
1127	9.85	9.53	6.3331	0	-0.017	6.3162	0.0954	0	-0.0454	0.05
1128	9.6	9.52	6.3322	0	-0.0178	6.3144	0.1005	0	-0.0143	0.0861
1129	9.38	9.52	6.3314	0	-0.0178	6.3137	0.1101	0	-0.001	0.1091
1130	9.02	9.49	6.3313	0	-0.018	6.3133	0.1211	0	-0.0182	0.103
1131	9.15	9.46	6.3315	0	-0.0181	6.3134	0.1315	0	-0.0224	0.109
1132	8.69	9.45	6.3321	0	-0.02	6.3121	0.1263	0	-0.0364	0.0899
1133	9.56	9.44	6.3319	0	-0.0192	6.3127	0.1192	0	-0.0141	0.105
1134	9.45	9.43	6.3313	0	-0.02	6.3113	0.1151	0	0.0053	0.1204
1135	9.13	9.4	6.331	0	-0.0184	6.3126	0.1092	0	0.0056	0.1148
1136	9.42	9.34	6.331	0	-0.0202	6.3107	0.0948	0	-0.0007	0.0942
1137	9.45	9.3	6.3311	0	-0.0201	6.3109	0.0835	0	-0.0115	0.072
1138	9.61	9.27	6.3312	0	-0.0197	6.3115	0.0693	0	-0.0188	0.0505

1139	9.83	9.27	6.3314	0	-0.0193	6.3121	0.0573	0	-0.0454	0.0119
1140	9.54	9.27	6.3314	0	-0.0177	6.3138	0.0607	0	-0.0344	0.0263
1141	9.12	9.26	6.3313	0	-0.017	6.3143	0.05	0	-0.0573	-0.0073
1142	9.35	9.29	6.3312	0	-0.017	6.3143	0.0458	0	-0.0143	0.0315
1143	9.55	9.29	6.3314	0	-0.018	6.3134	0.0397	0	-0.009	0.0307
1144	9.03	9.3	6.3317	0	-0.0183	6.3134	0.0363	0	-0.0294	0.0069
1145	8.77	9.33	6.332	0	-0.02	6.3119	0.0375	0	-0.0691	-0.0315
1146	8.98	9.35	6.3319	0	-0.0174	6.3145	0.0444	0	-0.1018	-0.0574
1147	9.13	9.34	6.332	0	-0.015	6.317	0.0508	0	-0.0792	-0.0284
1148	9.27	9.35	6.3321	0	-0.0151	6.317	0.0475	0	-0.0702	-0.0227
1149	9.15	9.34	6.3321	0	-0.017	6.3151	0.0505	0	-0.0483	0.0023
1150	8.97	9.35	6.3322	0	-0.0186	6.3136	0.0489	0	-0.0211	0.0277
1151	9.17	9.38	6.3326	0	-0.0186	6.3139	0.0592	0	-0.011	0.0483
1152	9.58	9.38	6.3328	0	-0.0188	6.314	0.0641	0	0.0247	0.0888
1153	9.6	9.35	6.3331	0	-0.0191	6.314	0.06	0	0.0207	0.0807
1154	9.68	9.37	6.3331	0	-0.0186	6.3145	0.0577	0	0.0295	0.0872
1155	9.78	9.39	6.3329	0	-0.0191	6.3138	0.0588	0	0.0566	0.1153
1156	9.32	9.41	6.3327	0	-0.0181	6.3146	0.0588	0	0.0432	0.102
1157	9.82	9.41	6.3327	0	-0.0163	6.3164	0.0625	0	0.0094	0.0718
1158	9.71	9.41	6.3325	0	-0.0136	6.319	0.0647	0	-0.0064	0.0583
1159	9.57	9.44	6.3325	0	-0.0139	6.3187	0.0644	0	-0.033	0.0314
1160	9.73	9.48	6.333	0	-0.014	6.3189	0.064	0	-0.0272	0.0368
1161	9.47	9.51	6.3333	0	-0.0118	6.3215	0.058	0	-0.0383	0.0197
1162	8.99	9.51	6.3335	0	-0.0127	6.3208	0.0476	0	-0.0416	0.006
1163	9.29	9.5	6.3337	0	-0.0135	6.3203	0.0429	0	-0.0367	0.0062
1164	9.16	9.5	6.3338	0	-0.0139	6.3199	0.0363	0	0.0033	0.0396
1165	9.32	9.49	6.3329	0	-0.0137	6.3191	0.0295	0	0.0291	0.0586
1166	9.18	9.51	6.3328	0	-0.014	6.3188	0.0279	0	0.0249	0.0528
1167	9.3	9.51	6.3324	0	-0.0143	6.3181	0.0263	0	0.0255	0.0518
1168	9.64	9.52	6.332	0	-0.015	6.317	0.0248	0	0.0141	0.0388
1169	9.79	9.52	6.3319	0	-0.0172	6.3147	0.0267	0	0.0115	0.0382
1170	9.73	9.52	6.3321	0	-0.0176	6.3145	0.0337	0	-0.0049	0.0289
1171	9.57	9.55	6.332	0	-0.0172	6.3148	0.0446	0	0.0012	0.0457
1172	9.52	9.59	6.3315	0	-0.0178	6.3137	0.0629	0	0.0124	0.0752
1173	9.68	9.61	6.331	0	-0.0164	6.3146	0.0757	0	0.0134	0.0891
1174	9.59	9.67	6.331	0	-0.0127	6.3183	0.0834	0	0.0211	0.1045
1175	9.65	9.69	6.3317	0	-0.0138	6.3178	0.0816	0	0.0331	0.1147

1176	9.8	9.7	6.3311	0	-0.0144	6.3167	0.074	0	0.0419	0.1159
1177	9.88	9.71	6.3305	0	-0.0153	6.3152	0.0646	0	0.057	0.1215
1178	9.67	9.71	6.3298	0	-0.0159	6.3138	0.0582	0	0.0393	0.0974
1179	9.62	9.7	6.3286	0	-0.0158	6.3128	0.049	0	0.012	0.061
1180	10.1	9.67	6.3276	0	-0.016	6.3116	0.0395	0	0.0154	0.0549
1181	9.77	9.67	6.3273	0	-0.0169	6.3104	0.0401	0	0.0117	0.0518
1182	9.6	9.67	6.3273	0	-0.0179	6.3094	0.0436	0	0.0019	0.0455
1183	10.3	9.68	6.3272	0	-0.0182	6.309	0.0484	0	-0.0156	0.0328
1184	9.81	9.7	6.3271	0	-0.0179	6.3093	0.0434	0	-0.0424	0.001
1185	9.37	9.71	6.3277	0	-0.0176	6.3101	0.036	0	-0.0544	-0.0184
1186	9.39	9.72	6.328	0	-0.017	6.311	0.0327	0	-0.0386	-0.0059
1187	9.74	9.68	6.3283	0	-0.0157	6.3126	0.0331	0	-0.0736	-0.0405
1188	9.61	9.68	6.3286	0	-0.014	6.3146	0.0357	0	-0.0813	-0.0456
1189	9.21	9.65	6.3289	0	-0.0157	6.3133	0.0406	0	-0.0647	-0.0242
1190	9.44	9.63	6.329	0	-0.0156	6.3134	0.0446	0	-0.0516	-0.007
1191	9.53	9.6	6.3288	0	-0.016	6.3129	0.0424	0	-0.0427	-0.0003
1192	9.85	9.59	6.3287	0	-0.0164	6.3123	0.0381	0	-0.0346	0.0034
1193	10.1	9.53	6.329	0	-0.0161	6.3129	0.0365	0	-0.0483	-0.0119
1194	9.88	9.5	6.3295	0	-0.0146	6.3149	0.0374	0	-0.0815	-0.0441
1195	10	9.49	6.3297	0	-0.0125	6.3172	0.043	0	-0.0906	-0.0476
1196	9.03	9.5	6.3295	0	-0.0146	6.3149	0.0502	0	-0.0951	-0.0449
1197	9.61	9.48	6.3294	0	-0.0153	6.314	0.0514	0	-0.0557	-0.0042
1198	9.2	9.46	6.3289	0	-0.0171	6.3118	0.0508	0	-0.0181	0.0327
1199	9.55	9.46	6.3291	0	-0.0182	6.3108	0.0506	0	0.0074	0.058
1200	9.31	9.47	6.3285	0	-0.0179	6.3105	0.0538	0	-0.0142	0.0396
1201	9.34	9.47	6.3284	0	-0.0192	6.3092	0.0613	0	-0.0215	0.0399
1202	9.21	9.43	6.3286	0	-0.0185	6.3101	0.0684	0	-0.043	0.0254
1203	9.11	9.38	6.3285	0	-0.0179	6.3106	0.0754	0	-0.0406	0.0348
1204	9.29	9.35	6.3282	0	-0.0185	6.3097	0.0783	0	-0.0419	0.0365
1205	9.49	9.32	6.3281	0	-0.0182	6.3099	0.0791	0	-0.0368	0.0424
1206	9.39	9.35	6.3279	0	-0.0172	6.3108	0.0783	0	-0.0345	0.0438
1207	9.22	9.35	6.328	0	-0.0169	6.3111	0.0761	0	-0.0358	0.0403
1208	9.32	9.35	6.3279	0	-0.0158	6.3121	0.0782	0	-0.0461	0.0321
1209	9.53	9.36	6.3268	0	-0.0156	6.3112	0.079	0	-0.0095	0.0696
1210	9.52	9.37	6.326	0	-0.014	6.312	0.0831	0	-0.0151	0.0681
1211	9.09	9.37	6.3259	0	-0.0133	6.3126	0.0846	0	-0.0034	0.0813
1212	9.1	9.39	6.326	0	-0.0128	6.3132	0.0939	0	0.0353	0.1292

1213	9.27	9.41	6.3265	0	-0.0157	6.3108	0.1023	0	0.0118	0.1141
1214	9.46	9.41	6.3269	0	-0.0182	6.3087	0.1142	0	-0.0216	0.0926
1215	9.67	9.41	6.3271	0	-0.0185	6.3086	0.1215	0	-0.0161	0.1054
1216	9.6	9.42	6.3273	0	-0.0188	6.3085	0.1183	0	0.0178	0.1362
1217	9.23	9.43	6.3275	0	-0.0176	6.31	0.1215	0	0.039	0.1604
1218	9.75	9.42	6.3278	0	-0.0174	6.3104	0.1152	0	0.0354	0.1506
1219	9.39	9.41	6.328	0	-0.0154	6.3126	0.1041	0	0.0138	0.1179
1220	9.4	9.41	6.3281	0	-0.0155	6.3126	0.096	0	-0.0099	0.0862
1221	9.63	9.46	6.3279	0	-0.0176	6.3103	0.0924	0	-0.0217	0.0707
1222	9.49	9.43	6.3276	0	-0.0174	6.3102	0.0891	0	-0.0312	0.0579
1223	9.27	9.4	6.3271	0	-0.019	6.3082	0.076	0	-0.0303	0.0457
1224	9.39	9.38	6.3268	0	-0.0199	6.3069	0.069	0	-0.0373	0.0317
1225	9.57	9.35	6.3269	0	-0.0202	6.3067	0.0706	0	-0.0296	0.041
1226	9.42	9.31	6.3273	0	-0.0216	6.3057	0.0823	0	-0.066	0.0163
1227	9.22	9.29	6.3273	0	-0.0209	6.3064	0.0822	0	-0.0876	-0.0054
1228	9.26	9.26	6.3273	0	-0.019	6.3083	0.0795	0	-0.1042	-0.0248
1229	9.61	9.26	6.3275	0	-0.0193	6.3082	0.0746	0	-0.1176	-0.0431
1230	9.94	9.26	6.3273	0	-0.0192	6.3081	0.0623	0	-0.1293	-0.067
1231	8.69	9.24	6.3271	0	-0.0183	6.3089	0.0546	0	-0.1395	-0.0849
1232	8.56	9.21	6.3273	0	-0.0184	6.3088	0.054	0	-0.1385	-0.0845
1233	9.09	9.2	6.3276	0	-0.015	6.3126	0.0549	0	-0.123	-0.0682
1234	9.09	9.16	6.3277	0	-0.0145	6.3132	0.0564	0	-0.1249	-0.0685
1235	8.82	9.12	6.3277	0	-0.0146	6.3131	0.059	0	-0.1092	-0.0502
1236	8.86	9.11	6.3277	0	-0.0129	6.3148	0.0715	0	-0.1085	-0.037
1237	9.18	9.12	6.3275	0	-0.012	6.3155	0.0766	0	-0.1044	-0.0279
1238	9.43	9.12	6.3271	0	-0.0132	6.3139	0.077	0	-0.0911	-0.0141
1239	9.36	9.08	6.3269	0	-0.0141	6.3128	0.0788	0	-0.0737	0.0051
1240	9.24	9.01	6.3272	0	-0.0134	6.3138	0.0799	0	-0.0795	0.0004
1241	8.92	9.02	6.3275	0	-0.0135	6.314	0.0792	0	-0.0976	-0.0184
1242	9.13	9.06	6.3276	0	-0.0121	6.3155	0.0793	0	-0.1028	-0.0234
1243	8.69	9.07	6.3277	0	-0.0099	6.3178	0.0812	0	-0.107	-0.0258
1244	8.76	9.07	6.3274	0	-0.0092	6.3182	0.0823	0	-0.0996	-0.0172
1245	9.2	9.08	6.3269	0	-0.0105	6.3164	0.0844	0	-0.0916	-0.0073
1246	9.47	9.11	6.3268	0	-0.0119	6.3149	0.0876	0	-0.0675	0.0201
1247	9.29	9.12	6.327	0	-0.0132	6.3137	0.0895	0	-0.0871	0.0024
1248	8.82	9.1	6.327	0	-0.0158	6.3112	0.0952	0	-0.0824	0.0129
1249	8.65	9.06	6.3267	0	-0.0155	6.3112	0.0946	0	-0.0784	0.0162

1250	8.89	9.08	6.3261	0	-0.0165	6.3096	0.0947	0	-0.0846	0.0102
1251	9.25	9.07	6.3257	0	-0.0143	6.3114	0.0891	0	-0.0669	0.0223
1252	9.19	9.09	6.3253	0	-0.0148	6.3105	0.0907	0	-0.0939	-0.0032
1253	9.1	9.13	6.3253	0	-0.0149	6.3104	0.0932	0	-0.0635	0.0298
1254	9.14	9.15	6.3252	0	-0.015	6.3102	0.1019	0	-0.0775	0.0244
1255	9.32	9.14	6.3251	0	-0.0157	6.3094	0.1067	0	-0.0894	0.0173
1256	9.37	9.12	6.3251	0	-0.0145	6.3106	0.1113	0	-0.0931	0.0182
1257	9.04	9.09	6.3249	0	-0.0117	6.3132	0.1117	0	-0.0904	0.0213
1258	8.76	9.1	6.3246	0	-0.0126	6.312	0.112	0	-0.0918	0.0202
1259	9.49	9.12	6.3242	0	-0.0124	6.3119	0.1096	0	-0.0827	0.0268
1260	8.69	9.14	6.3245	0	-0.0137	6.3108	0.0987	0	-0.0827	0.016
1261	9.68	9.12	6.3239	0	-0.0153	6.3085	0.0919	0	-0.0681	0.0238
1262	9.43	9.11	6.3232	0	-0.0139	6.3094	0.0883	0	-0.0556	0.0327
1263	9.02	9.12	6.3223	0	-0.0113	6.311	0.0917	0	-0.0209	0.0708
1264	9.09	9.12	6.3216	0	-0.0123	6.3093	0.1014	0	-0.0636	0.0378
1265	9.03	9.13	6.321	0	-0.0155	6.3055	0.1064	0	-0.1124	-0.0059
1266	8.82	9.12	6.3207	0	-0.0179	6.3027	0.1098	0	-0.1006	0.0091
1267	8.86	9.14	6.3209	0	-0.0179	6.303	0.1157	0	-0.113	0.0027
1268	9.12	9.16	6.3216	0	-0.0164	6.3052	0.1219	0	-0.1198	0.0021
1269	9.23	9.14	6.3223	0	-0.0163	6.306	0.1281	0	-0.1042	0.0239
1270	8.92	9.15	6.3228	0	-0.0154	6.3074	0.1332	0	-0.0514	0.0818
1271	8.93	9.08	6.3231	0	-0.0141	6.309	0.1354	0	-0.0485	0.0869
1272	9.45	9.06	6.3239	0	-0.0148	6.3091	0.1368	0	-0.0773	0.0595
1273	9.13	9.06	6.3241	0	-0.0127	6.3114	0.1357	0	-0.1136	0.022
1274	9.36	9.05	6.324	0	-0.0097	6.3142	0.1321	0	-0.1195	0.0125
1275	9.34	9.05	6.3234	0	-0.0072	6.3162	0.1315	0	-0.1316	-0.0001
1276	9.24	9.03	6.3229	0	-0.0056	6.3173	0.1326	0	-0.136	-0.0034
1277	9.27	9.01	6.3225	0	-0.0048	6.3177	0.1366	0	-0.1621	-0.0255
1278	9.12	8.99	6.3223	0	-0.0042	6.3182	0.137	0	-0.1635	-0.0265
1279	8.75	8.96	6.3224	0	-0.0029	6.3195	0.1377	0	-0.1267	0.011
1280	8.39	8.97	6.3222	0	-0.0021	6.3201	0.1385	0	-0.1018	0.0367
1281	9	9.03	6.3219	0	-0.0031	6.3188	0.1339	0	-0.0929	0.0409
1282	9.07	9.05	6.3218	0	-0.0056	6.3162	0.1323	0	-0.0772	0.0551
1283	8.95	9.09	6.3216	0	-0.0057	6.3159	0.1384	0	-0.0775	0.0609
1284	8.91	9.09	6.3212	0	-0.0069	6.3143	0.1397	0	-0.0636	0.0761
1285	8.6	9.11	6.3206	0	-0.0068	6.3138	0.1392	0	-0.0819	0.0573
1286	8.45	9.11	6.3203	0	-0.0065	6.3138	0.1374	0	-0.0598	0.0776

1287	8.6	9.1	6.3206	0	-0.0066	6.314	0.1359	0	-0.0226	0.1133
1288	8.75	9.1	6.3208	0	-0.0066	6.3141	0.132	0	-0.0245	0.1075
1289	9.1	9.13	6.3209	0	-0.0077	6.3132	0.1259	0	-0.0509	0.075
1290	10	9.18	6.3211	0	-0.0059	6.3152	0.121	0	-0.0666	0.0544
1291	9.87	9.2	6.3209	0	-0.0057	6.3152	0.1226	0	-0.0719	0.0507
1292	9.85	9.2	6.3206	0	-0.0057	6.3149	0.1269	0	-0.097	0.03
1293	9.46	9.21	6.3208	0	-0.0061	6.3147	0.1288	0	-0.1123	0.0165
1294	9.68	9.26	6.321	0	-0.0054	6.3156	0.1297	0	-0.1116	0.0181
1295	9.18	9.31	6.321	0	-0.0058	6.3152	0.1269	0	-0.1281	-0.0012
1296	9.06	9.36	6.3205	0	-0.0059	6.3146	0.119	0	-0.1337	-0.0147
1297	9.28	9.39	6.3199	0	-0.0071	6.3128	0.1152	0	-0.1209	-0.0056
1298	9.23	9.41	6.3195	0	-0.0093	6.3102	0.1132	0	-0.128	-0.0148
1299	9.32	9.41	6.3196	0	-0.0098	6.3098	0.11	0	-0.1486	-0.0386
1300	9.5	9.37	6.3196	0	-0.0113	6.3083	0.1056	0	-0.1452	-0.0396
1301	9.01	9.36	6.3193	0	-0.0098	6.3095	0.0989	0	-0.16	-0.0611
1302	9.13	9.35	6.3193	0	-0.0122	6.3071	0.0937	0	-0.142	-0.0483
1303	9.78	9.35	6.3183	0	-0.0102	6.3082	0.0913	0	-0.1424	-0.0512
1304	9.67	9.34	6.3175	0	-0.0096	6.3079	0.0936	0	-0.1489	-0.0553
1305	9.28	9.38	6.317	0	-0.0089	6.3081	0.0947	0	-0.1344	-0.0397
1306	9.15	9.42	6.3167	0	-0.0081	6.3086	0.0925	0	-0.1581	-0.0657
1307	9.15	9.43	6.3168	0	-0.0077	6.3091	0.087	0	-0.1111	-0.024
1308	9.09	9.44	6.3169	0	-0.0075	6.3094	0.0826	0	-0.0707	0.0119
1309	9.26	9.45	6.3169	0	-0.0073	6.3096	0.0816	0	-0.0879	-0.0063
1310	9.75	9.45	6.3169	0	-0.0072	6.3096	0.0813	0	-0.0869	-0.0056
1311	9.65	9.47	6.3171	0	-0.0077	6.3094	0.0844	0	-0.0992	-0.0148
1312	9.42	9.51	6.3168	0	-0.0107	6.3061	0.0807	0	-0.1042	-0.0235
1313	9.45	9.49	6.3163	0	-0.0093	6.307	0.0796	0	-0.07	0.0096
1314	10.1	9.51	6.3163	0	-0.007	6.3093	0.0762	0	-0.0549	0.0214
1315	9.83	9.57	6.3161	0	-0.0084	6.3077	0.0705	0	-0.0464	0.0241
1316	9.33	9.62	6.3157	0	-0.0075	6.3082	0.0636	0	-0.0627	0.0009
1317	9.39	9.66	6.3154	0	-0.0056	6.3097	0.06	0	-0.0918	-0.0319
1318	9.62	9.7	6.315	0	-0.007	6.308	0.0649	0	-0.1037	-0.0388
1319	9.51	9.71	6.3147	0	-0.0103	6.3044	0.078	0	-0.0902	-0.0122
1320	9.42	9.7	6.3145	0	-0.0106	6.3039	0.0916	0	-0.0731	0.0186
1321	9.86	9.7	6.3143	0	-0.0099	6.3044	0.1013	0	-0.0683	0.033
1322	9.34	9.69	6.314	0	-0.006	6.308	0.1074	0	-0.0609	0.0465
1323	10.1	9.71	6.3139	0	-0.007	6.3069	0.1165	0	-0.0843	0.0323

1324	10.3	9.68	6.3137	0	-0.0068	6.3069	0.1201	0	-0.0462	0.0739
1325	10.1	9.69	6.3137	0	-0.0066	6.307	0.1197	0	-0.0301	0.0896
1326	9.93	9.69	6.3136	0	-0.0054	6.3082	0.1134	0	-0.0329	0.0806
1327	9.82	9.68	6.3136	0	-0.0045	6.3091	0.1074	0	-0.0421	0.0654
1328	9.6	9.67	6.3136	0	-0.0064	6.3072	0.1039	0	-0.0591	0.0448
1329	9.49	9.67	6.3136	0	-0.0091	6.3045	0.1003	0	-0.0677	0.0326
1330	9.6	9.66	6.3139	0	-0.0099	6.304	0.1003	0	-0.088	0.0123
1331	9.29	9.62	6.3139	0	-0.0105	6.3034	0.0957	0	-0.0709	0.0248
1332	9.82	9.61	6.3134	0	-0.0107	6.3028	0.0921	0	-0.072	0.0201
1333	9.57	9.55	6.3136	0	-0.0086	6.305	0.0943	0	-0.1028	-0.0085
1334	9.92	9.47	6.3138	0	-0.0063	6.3074	0.0907	0	-0.1019	-0.0112
1335	9.39	9.4	6.314	0	-0.0086	6.3054	0.091	0	-0.1066	-0.0156
1336	9.24	9.33	6.3141	0	-0.0106	6.3035	0.0897	0	-0.0891	0.0006
1337	9.46	9.28	6.3143	0	-0.0095	6.3047	0.0895	0	-0.0737	0.0158
1338	9.5	9.23	6.3146	0	-0.0081	6.3064	0.0921	0	-0.0729	0.0192
1339	9.21	9.19	6.3148	0	-0.0075	6.3074	0.0947	0	-0.0717	0.023
1340	8.99	9.15	6.3149	0	-0.0062	6.3087	0.0981	0	-0.0749	0.0231
1341	9.11	9.13	6.3148	0	-0.0038	6.311	0.107	0	-0.0658	0.0412
1342	9.13	9.07	6.3147	0	-0.0009	6.3138	0.1088	0	-0.0678	0.041
1343	8.69	9.04	6.3147	0	0.0013	6.316	0.1089	0	-0.0626	0.0462
1344	8.85	8.98	6.3147	0	0.0036	6.3183	0.1101	0	-0.0603	0.0498
1345	8.63	8.93	6.315	0	0.0028	6.3179	0.109	0	-0.0527	0.0564
1346	8.75	8.89	6.3153	0	0.0002	6.3155	0.1059	0	-0.0576	0.0483
1347	8.72	8.86	6.3156	0	-0.0004	6.3152	0.1025	0	-0.0578	0.0447
1348	8.68	8.81	6.316	0	-0.0009	6.3151	0.0975	0	-0.0682	0.0293
1349	8.89	8.77	6.3162	0	-0.001	6.3151	0.0919	0	-0.0991	-0.0072
1350	8.91	8.75	6.3162	0	-0.0005	6.3157	0.0938	0	-0.1019	-0.0081
1351	8.64	8.76	6.3164	0	-0.0001	6.3162	0.0944	0	-0.1135	-0.0191
1352	9.01	8.77	6.3162	0	-0.0005	6.3156	0.0903	0	-0.1167	-0.0265
1353	8.78	8.82	6.3159	0	0	6.3159	0.087	0	-0.1334	-0.0464
1354	8.46	8.84	6.3157	0	-0.0015	6.3142	0.0734	0	-0.0933	-0.0199
1355	8.59	8.87	6.3159	0	0.0001	6.316	0.0623	0	-0.0884	-0.0261
1356	8.75	8.9	6.3164	0	-0.0034	6.313	0.0567	0	-0.0802	-0.0234
1357	8.67	8.96	6.3167	0	-0.0046	6.312	0.0533	0	-0.0737	-0.0204
1358	8.46	9.04	6.3164	0	-0.0038	6.3126	0.052	0	-0.0881	-0.0362
1359	8.59	9.08	6.3161	0	-0.0037	6.3124	0.0542	0	-0.0703	-0.0161
1360	9.27	9.11	6.3161	0	-0.0038	6.3123	0.053	0	-0.0559	-0.0029

1361	9.38	9.17	6.3158	0	-0.0049	6.3109	0.0515	0	-0.061	-0.0094
1362	9.63	9.19	6.3153	0	-0.0069	6.3084	0.0537	0	-0.0614	-0.0077
1363	9.15	9.22	6.3147	0	-0.0058	6.3089	0.0522	0	-0.0895	-0.0373
1364	9.18	9.28	6.3146	0	-0.0076	6.3069	0.05	0	-0.0813	-0.0313
1365	9.35	9.33	6.3147	0	-0.0092	6.3054	0.0517	0	-0.0524	-0.0007
1366	9.8	9.38	6.3147	0	-0.0088	6.3059	0.0532	0	-0.087	-0.0338
1367	10.2	9.43	6.3144	0	-0.0075	6.3069	0.0529	0	-0.0646	-0.0117
1368	9.82	9.48	6.3138	0	-0.0074	6.3064	0.0512	0	-0.0574	-0.0063
1369	9.48	9.53	6.3131	0	-0.0089	6.3042	0.0538	0	-0.0896	-0.0358
1370	9.75	9.57	6.3127	0	-0.0086	6.3041	0.0576	0	-0.13	-0.0724
1371	9.29	9.56	6.3123	0	-0.008	6.3044	0.064	0	-0.1332	-0.0692
1372	9.35	9.58	6.3122	0	-0.0063	6.3059	0.0692	0	-0.1164	-0.0472
1373	9.66	9.6	6.3121	0	-0.0081	6.304	0.0735	0	-0.06	0.0135
1374	9.6	9.62	6.312	0	-0.0067	6.3053	0.0773	0	-0.0568	0.0206
1375	9.57	9.63	6.3121	0	-0.0039	6.3082	0.0766	0	-0.0457	0.0308
1376	9.65	9.6	6.3122	0	-0.0014	6.3107	0.0793	0	-0.0477	0.0316
1377	9.5	9.55	6.3122	0	0.0011	6.3132	0.0794	0	-0.044	0.0354
1378	9.52	9.52	6.3123	0	0.0026	6.3149	0.0859	0	-0.0534	0.0325
1379	10	9.51	6.3123	0	0.0059	6.3182	0.0937	0	-0.0703	0.0235
1380	9.17	9.49	6.3126	0	0.005	6.3176	0.103	0	-0.0857	0.0172
1381	9.91	9.5	6.3127	0	0.0041	6.3168	0.1129	0	-0.096	0.0169
1382	9.54	9.49	6.3124	0	0.0047	6.3171	0.1156	0	-0.1206	-0.005
1383	9.59	9.46	6.3125	0	0.0045	6.317	0.1176	0	-0.1406	-0.023
1384	9.52	9.43	6.3121	0	0.0037	6.3158	0.1247	0	-0.0977	0.027
1385	9.29	9.41	6.3116	0	0.0021	6.3137	0.1251	0	-0.0607	0.0644
1386	9.2	9.41	6.3114	0	0.0008	6.3122	0.1289	0	-0.08	0.0488
1387	9.23	9.44	6.3114	0	0.0007	6.3121	0.13	0	-0.1102	0.0198
1388	9.25	9.45	6.3113	0	0.0005	6.3118	0.1285	0	-0.1112	0.0173
1389	9.49	9.43	6.3111	0	-0.0002	6.3109	0.1281	0	-0.1051	0.023
1390	9.38	9.46	6.3104	0	0.0007	6.3111	0.1279	0	-0.0882	0.0398
1391	9.15	9.44	6.31	0	0.0011	6.3111	0.1246	0	-0.0501	0.0745
1392	9.12	9.44	6.3097	0	0.0006	6.3103	0.1239	0	-0.0334	0.0905
1393	9.1	9.45	6.3098	0	-0.0001	6.3097	0.124	0	-0.0079	0.1161
1394	9.15	9.47	6.3101	0	-0.0001	6.31	0.1267	0	0.0131	0.1398
1395	9.64	9.49	6.3104	0	0	6.3104	0.1262	0	0.0358	0.1621
1396	10.1	9.53	6.3103	0	-0.0001	6.3102	0.1301	0	0.0291	0.1592
1397	9.74	9.55	6.3101	0	-0.0003	6.3098	0.1325	0	-0.003	0.1295

1398	9.62	9.54	6.3103	0	0.0006	6.3109	0.1359	0	-0.0111	0.1249
1399	9.65	9.54	6.3102	0	0.0004	6.3106	0.1394	0	-0.0071	0.1322
1400	9.55	9.54	6.3101	0	0.0001	6.3102	0.1416	0	-0.0006	0.1411
1401	9.59	9.56	6.3103	0	0.0019	6.3121	0.146	0	-0.0039	0.1421
1402	9.83	9.6	6.3106	0	0.0012	6.3118	0.1475	0	-0.0033	0.1442
1403	9.81	9.61	6.311	0	-0.0008	6.3102	0.1448	0	-0.0099	0.1349
1404	9.68	9.61	6.3113	0	-0.0008	6.3105	0.1375	0	-0.0066	0.1309
1405	10	9.61	6.3113	0	-0.0009	6.3104	0.1316	0	-0.0337	0.0979
1406	9.56	9.55	6.3114	0	-0.0008	6.3107	0.1305	0	-0.0182	0.1122
1407	9.14	9.54	6.3116	0	0.0011	6.3127	0.1338	0	-0.0503	0.0834
1408	9.42	9.55	6.3115	0	-0.0005	6.311	0.1355	0	-0.0599	0.0756
1409	9.33	9.53	6.3116	0	-0.0018	6.3099	0.1326	0	-0.041	0.0917
1410	9.62	9.54	6.3117	0	-0.0011	6.3106	0.126	0	-0.0437	0.0823
1411	9.74	9.54	6.3117	0	-0.0016	6.3101	0.1255	0	-0.0538	0.0717
1412	9.39	9.51	6.3116	0	-0.0017	6.3098	0.1248	0	-0.0786	0.0462
1413	9.15	9.48	6.3113	0	-0.0012	6.3101	0.1212	0	-0.1051	0.0161
1414	9.54	9.44	6.3111	0	-0.0017	6.3094	0.1137	0	-0.0941	0.0196
1415	9.1	9.4	6.3108	0	0.0003	6.3111	0.1111	0	-0.1092	0.0019
1416	9.5	9.36	6.3104	0	-0.001	6.3094	0.1133	0	-0.1367	-0.0234
1417	9.73	9.38	6.3102	0	0.0001	6.3104	0.1162	0	-0.1558	-0.0396
1418	9.34	9.39	6.3096	0	0.002	6.3116	0.1161	0	-0.1601	-0.044
1419	9.66	9.39	6.3089	0	0.0027	6.3116	0.1139	0	-0.1621	-0.0482
1420	9.67	9.39	6.3081	0	0.0027	6.3108	0.1045	0	-0.1708	-0.0663
1421	9.31	9.37	6.3074	0	0.0017	6.3091	0.093	0	-0.1461	-0.0531
1422	9.13	9.4	6.3066	0	0	6.3066	0.0907	0	-0.142	-0.0513
1423	9.03	9.44	6.3062	0	-0.0013	6.3048	0.0902	0	-0.1083	-0.0181
1424	9.25	9.45	6.306	0	-0.0022	6.3038	0.0892	0	-0.1035	-0.0144
1425	8.81	9.48	6.3057	0	-0.0019	6.3039	0.0894	0	-0.0703	0.0191
1426	9.5	9.49	6.3057	0	-0.001	6.3047	0.0913	0	-0.0265	0.0648
1427	9.53	9.5	6.305	0	0.0008	6.3058	0.093	0	0.0012	0.0942
1428	9.48	9.53	6.3042	0	0.0007	6.3048	0.0946	0	0.0196	0.1141
1429	9.48	9.52	6.3033	0	-0.0005	6.3028	0.096	0	0.0339	0.1299
1430	9.5	9.49	6.3026	0	-0.0003	6.3023	0.0981	0	0.0562	0.1543
1431	9.9	9.52	6.3023	0	0.0015	6.3039	0.1049	0	0.0483	0.1532
1432	9.99	9.59	6.3017	0	0.0034	6.3051	0.1069	0	0.0421	0.149
1433	9.61	9.63	6.3011	0	0.0011	6.3023	0.0952	0	0.0469	0.1422
1434	9.63	9.69	6.3013	0	-0.0003	6.301	0.0881	0	0.0361	0.1242

1435	9.82	9.76	6.3011	0	-0.0006	6.3005	0.0837	0	0.0263	0.1099
1436	9.83	9.78	6.3011	0	0.0004	6.3015	0.0798	0	0.0163	0.0962
1437	9.87	9.78	6.3014	0	0.0016	6.303	0.0802	0	-0.0079	0.0722
1438	9.53	9.77	6.3017	0	0.0024	6.3041	0.0808	0	0.0063	0.0871
1439	9.18	9.75	6.302	0	0.0013	6.3034	0.0826	0	0.0108	0.0934
1440	9.71	9.73	6.3025	0	-0.0012	6.3013	0.0847	0	0.0206	0.1053
1441	10.5	9.68	6.3024	0	-0.0005	6.3019	0.083	0	0.0483	0.1313
1442	9.89	9.64	6.3023	0	-0.0001	6.3022	0.0812	0	0.0517	0.1329
1443	10.5	9.6	6.302	0	0	6.302	0.0824	0	0.0471	0.1296
1444	10.1	9.55	6.3021	0	0	6.3021	0.0934	0	0.0464	0.1398
1445	9.79	9.5	6.302	0	-0.0001	6.302	0.1096	0	0.0414	0.151
1446	9.49	9.45	6.302	0	0.0005	6.3025	0.1186	0	0.0256	0.1441
1447	9.3	9.39	6.302	0	0.0007	6.3027	0.1289	0	0.036	0.1649
1448	9.19	9.37	6.3021	0	-0.0002	6.3019	0.1271	0	0.0378	0.1649
1449	9.05	9.37	6.302	0	-0.001	6.301	0.1239	0	0.0458	0.1697
1450	9	9.33	6.3016	0	-0.0001	6.3015	0.1222	0	0.0396	0.1618
1451	9.19	9.25	6.3016	0	0.0002	6.3018	0.1207	0	0.0303	0.151
1452	8.89	9.23	6.3017	0	0.0005	6.3021	0.1208	0	0.0446	0.1654
1453	8.7	9.18	6.3022	0	0.0007	6.3028	0.1205	0	0.0316	0.1522
1454	8.91	9.13	6.3026	0	0.0019	6.3044	0.1197	0	-0.0035	0.1162
1455	8.83	9.09	6.3028	0	0.002	6.3048	0.1217	0	-0.0154	0.1063
1456	8.75	9.06	6.303	0	0.0017	6.3046	0.1192	0	-0.023	0.0962
1457	9.09	9.03	6.3031	0	0.0014	6.3045	0.1254	0	-0.0207	0.1047
1458	9.31	9.02	6.3032	0	0.0003	6.3035	0.1323	0	-0.021	0.1113
1459	8.95	9.02	6.3035	0	0.0007	6.3042	0.1369	0	-0.0346	0.1024
1460	8.9	9.05	6.3035	0	0.0016	6.3051	0.1457	0	-0.0385	0.1072
1461	9.5	9.08	6.3033	0	0.0029	6.3063	0.1563	0	-0.0339	0.1224
1462	9.45	9.11	6.3031	0	0.0036	6.3068	0.1649	0	-0.0376	0.1273
1463	9.13	9.17	6.3033	0	0.0036	6.3069	0.1654	0	-0.0236	0.1418
1464	9.02	9.23	6.3035	0	0.0033	6.3067	0.1613	0	-0.0204	0.1409
1465	8.92	9.27	6.3033	0	0.0044	6.3078	0.1583	0	-0.0428	0.1155
1466	8.85	9.31	6.303	0	0.0068	6.3099	0.1504	0	-0.0154	0.135
1467	9.02	9.32	6.3028	0	0.0085	6.3113	0.1387	0	-0.0134	0.1253
1468	8.95	9.33	6.3024	0	0.0088	6.3113	0.1311	0	0.0047	0.1358
1469	9.56	9.36	6.3027	0	0.0081	6.3108	0.1196	0	0.0322	0.1518
1470	9.7	9.41	6.3034	0	0.006	6.3094	0.1087	0	0.0425	0.1512
1471	9.55	9.41	6.3033	0	0.0062	6.3095	0.0984	0	0.033	0.1314

1472	9.9	9.4	6.3032	0	0.0045	6.3077	0.0857	0	0.0196	0.1052
1473	9.96	9.41	6.3031	0	0.0023	6.3054	0.0797	0	0.0059	0.0856
1474	9.7	9.44	6.3031	0	0.0003	6.3034	0.0776	0	-0.0425	0.0351
1475	9.45	9.46	6.303	0	-0.0013	6.3017	0.0718	0	-0.0455	0.0263
1476	9.31	9.48	6.3029	0	-0.0015	6.3013	0.0677	0	-0.0513	0.0164
1477	9.4	9.53	6.3027	0	-0.0009	6.3018	0.0646	0	-0.0428	0.0218
1478	9.61	9.58	6.3027	0	-0.0008	6.3019	0.0566	0	-0.016	0.0406
1479	9.86	9.62	6.3025	0	0.0003	6.3028	0.0504	0	-0.0063	0.0441
1480	9.5	9.62	6.3021	0	0.0002	6.3023	0.0452	0	-0.013	0.0322
1481	9.22	9.62	6.302	0	-0.0001	6.3019	0.0415	0	-0.0193	0.0223
1482	9.31	9.6	6.3029	0	0	6.3029	0.0473	0	-0.0098	0.0375
1483	9.58	9.58	6.3037	0	0.0009	6.3046	0.0449	0	0.002	0.047
1484	9.41	9.54	6.3038	0	0.0011	6.3048	0.0411	0	-0.0116	0.0294
1485	9.16	9.51	6.3036	0	0.0005	6.3041	0.0447	0	-0.0149	0.0298
1486	9.95	9.51	6.3034	0	0.0016	6.305	0.0437	0	-0.0192	0.0245
1487	9.89	9.49	6.3033	0	0.0001	6.3034	0.0423	0	-0.0149	0.0274
1488	10.4	9.46	6.303	0	-0.0006	6.3025	0.045	0	-0.0144	0.0306
1489	9.67	9.41	6.3027	0	-0.0023	6.3004	0.0487	0	-0.0268	0.022
1490	9.47	9.38	6.3021	0	-0.0041	6.298	0.0492	0	-0.0403	0.0089
1491	9.59	9.38	6.3019	0	-0.0041	6.2978	0.0528	0	-0.0781	-0.0254
1492	9.49	9.37	6.3015	0	-0.0042	6.2973	0.0484	0	-0.0697	-0.0213
1493	9.08	9.36	6.3004	0	-0.0047	6.2957	0.0462	0	-0.0583	-0.0121
1494	8.83	9.38	6.2992	0	-0.0043	6.2949	0.0382	0	-0.0302	0.008
1495	9.19	9.38	6.2985	0	-0.0026	6.296	0.0337	0	-0.0068	0.027
1496	9.18	9.34	6.2974	0	-0.0037	6.2937	0.0317	0	0.016	0.0478
1497	8.97	9.3	6.2974	0	-0.0041	6.2933	0.0329	0	0.0293	0.0622
1498	8.91	9.28	6.2979	0	-0.0039	6.2939	0.0359	0	-0.0017	0.0341
1499	8.95	9.27	6.298	0	-0.0035	6.2945	0.0378	0	-0.0167	0.0211
1500	9.13	9.26	6.2981	0	-0.0029	6.2951	0.035	0	-0.0292	0.0057
1501	9.21	9.26	6.2982	0	-0.0026	6.2956	0.0318	0	-0.008	0.0238
1502	9.41	9.29	6.2985	0	-0.002	6.2966	0.0327	0	-0.0038	0.0289
1503	9.72	9.34	6.299	0	-0.0005	6.2985	0.0358	0	0.0011	0.0369
1504	9.24	9.37	6.2991	0	0.0008	6.2999	0.0431	0	0.0009	0.044
1505	9.06	9.39	6.2994	0	0.0014	6.3008	0.0461	0	-0.0042	0.0419
1506	9.29	9.42	6.2989	0	0.0013	6.3002	0.0439	0	-0.0277	0.0162
1507	9.86	9.45	6.2984	0	0.0032	6.3016	0.0441	0	-0.041	0.0031
1508	9.54	9.5	6.2978	0	0.003	6.3008	0.051	0	-0.0423	0.0088

1509	9.21	9.53	6.2971	0	0.0021	6.2992	0.0527	0	-0.0523	0.0005
1510	9.63	9.53	6.2961	0	0.0023	6.2983	0.0552	0	-0.0582	-0.003
1511	10.2	9.53	6.2952	0	0.0022	6.2974	0.0509	0	-0.0487	0.0022
1512	9.98	9.53	6.295	0	0.0006	6.2957	0.0455	0	-0.02	0.0255
1513	9.4	9.52	6.2952	0	0.0008	6.296	0.0416	0	0.0085	0.0501
1514	9.64	9.51	6.2953	0	0.0025	6.2978	0.0406	0	0.0107	0.0513
1515	9.74	9.52	6.2957	0	0.0018	6.2976	0.0393	0	-0.0111	0.0282
1516	9.47	9.53	6.2965	0	0.0003	6.2968	0.0375	0	0.0076	0.0451
1517	9.77	9.52	6.2971	0	-0.0003	6.2968	0.0363	0	0.0114	0.0477
1518	9.58	9.54	6.2977	0	-0.0012	6.2964	0.033	0	0.0327	0.0657
1519	9.19	9.57	6.298	0	-0.0015	6.2965	0.0268	0	0.0314	0.0582
1520	9.24	9.57	6.2983	0	-0.0006	6.2977	0.0275	0	0.0233	0.0507
1521	9.37	9.58	6.2988	0	-0.0002	6.2986	0.032	0	-0.004	0.0281
1522	9.4	9.58	6.2987	0	-0.0006	6.2981	0.0282	0	0.0183	0.0465
1523	9.04	9.61	6.2984	0	0.0029	6.3013	0.0247	0	0.0195	0.0442
1524	9.41	9.61	6.2988	0	0.0024	6.3012	0.0218	0	-0.0073	0.0145
1525	9.38	9.61	6.299	0	0.0033	6.3022	0.0198	0	-0.0296	-0.0098
1526	9.66	9.62	6.2992	0	0.0033	6.3025	0.0198	0	-0.0509	-0.0311
1527	10	9.6	6.2994	0	0.0024	6.3018	0.0196	0	-0.0434	-0.0238
1528	9.83	9.58	6.2991	0	0.0013	6.3004	0.0145	0	-0.0395	-0.025
1529	9.6	9.58	6.2988	0	0.0008	6.2996	0.014	0	-0.0406	-0.0266
1530	10.4	9.57	6.2985	0	0.0016	6.3001	0.0149	0	-0.0445	-0.0296
1531	9.94	9.56	6.2976	0	0.0025	6.3001	0.015	0	-0.0477	-0.0328
1532	9.87	9.57	6.2972	0	0.0032	6.3004	0.0202	0	-0.0605	-0.0403
1533	9.79	9.62	6.297	0	0.0023	6.2993	0.0379	0	-0.0767	-0.0387
1534	9.6	9.64	6.2968	0	0.0012	6.298	0.0539	0	-0.0807	-0.0268
1535	9.68	9.66	6.2967	0	0.0013	6.298	0.0558	0	-0.1074	-0.0516
1536	9.46	9.64	6.2968	0	0.0019	6.2987	0.0614	0	-0.1152	-0.0537
1537	9.11	9.59	6.2969	0	0.003	6.3	0.0635	0	-0.1067	-0.0431
1538	9.22	9.55	6.2969	0	0.005	6.3019	0.0686	0	-0.0967	-0.0281
1539	9.11	9.52	6.2971	0	0.0054	6.3025	0.0715	0	-0.1005	-0.0289
1540	9.15	9.46	6.2972	0	0.0066	6.3038	0.0778	0	-0.1219	-0.0441
1541	9.67	9.41	6.2975	0	0.0065	6.3041	0.0764	0	-0.1475	-0.0712
1542	9.9	9.36	6.2977	0	0.0057	6.3034	0.0716	0	-0.1384	-0.0669
1543	9.91	9.31	6.2982	0	0.003	6.3012	0.0656	0	-0.1242	-0.0586
1544	9.65	9.27	6.2987	0	0.0007	6.2994	0.0588	0	-0.1401	-0.0814
1545	9.3	9.24	6.2989	0	-0.0017	6.2972	0.0472	0	-0.1341	-0.0869

1546	9.11	9.25	6.2987	0	-0.0024	6.2963	0.0302	0	-0.1025	-0.0723
1547	9.05	9.28	6.2985	0	0.0008	6.2993	0.0135	0	-0.0922	-0.0787
1548	9.06	9.28	6.2983	0	0.0015	6.2998	0.0122	0	-0.1115	-0.0993
1549	9.08	9.28	6.2985	0	0.002	6.3005	0.0196	0	-0.1165	-0.0968
1550	9.11	9.28	6.2984	0	0.0007	6.2992	0.0272	0	-0.1239	-0.0966
1551	8.81	9.24	6.2983	0	0.0006	6.2989	0.0326	0	-0.1358	-0.1033
1552	8.9	9.21	6.2981	0	0.0003	6.2985	0.0349	0	-0.1394	-0.1045
1553	8.92	9.19	6.2978	0	0.0006	6.2984	0.0382	0	-0.119	-0.0809
1554	9.1	9.17	6.2979	0	0.0023	6.3002	0.0424	0	-0.0846	-0.0422
1555	9.57	9.19	6.2984	0	0.0047	6.3032	0.0448	0	-0.0663	-0.0214
1556	9.68	9.2	6.2986	0	0.0058	6.3043	0.0581	0	-0.0618	-0.0038
1557	9.23	9.19	6.298	0	0.0056	6.3036	0.057	0	-0.0637	-0.0067
1558	9.13	9.18	6.2979	0	0.0055	6.3034	0.0554	0	-0.0471	0.0083
1559	9.16	9.21	6.298	0	0.0065	6.3045	0.0506	0	-0.0516	-0.001
1560	8.88	9.22	6.2984	0	0.0065	6.3049	0.0433	0	-0.0697	-0.0264
1561	9.29	9.23	6.2988	0	0.005	6.3037	0.0344	0	-0.0694	-0.035
1562	9.52	9.24	6.299	0	0.0028	6.3018	0.0268	0	-0.055	-0.0281
1563	9.43	9.26	6.2992	0	0.0025	6.3018	0.0241	0	-0.0677	-0.0436
1564	9.61	9.27	6.2995	0	0.0044	6.3039	0.0239	0	-0.0648	-0.0409
1565	9.36	9.26	6.2996	0	0.0037	6.3033	0.0212	0	-0.0513	-0.0302
1566	8.79	9.27	6.2994	0	0.0057	6.3051	0.0244	0	-0.0546	-0.0301
1567	8.89	9.28	6.2995	0	0.0052	6.3047	0.031	0	-0.0817	-0.0507
1568	9.57	9.32	6.2997	0	0.0057	6.3054	0.035	0	-0.105	-0.07
1569	9.35	9.32	6.2999	0	0.0058	6.3057	0.0343	0	-0.1136	-0.0793
1570	8.99	9.34	6.3002	0	0.0064	6.3066	0.0306	0	-0.1134	-0.0829
1571	9.04	9.35	6.3005	0	0.0044	6.3048	0.0293	0	-0.1093	-0.08
1572	9.29	9.35	6.3007	0	0.0025	6.3033	0.0313	0	-0.0879	-0.0566
1573	9.36	9.38	6.301	0	0.003	6.304	0.026	0	-0.1044	-0.0783
1574	9.38	9.38	6.3011	0	0.0033	6.3043	0.0248	0	-0.0497	-0.0249
1575	9.82	9.38	6.301	0	0.0038	6.3048	0.027	0	-0.0486	-0.0216
1576	9.54	9.4	6.3009	0	0.0028	6.3037	0.0277	0	-0.0461	-0.0184
1577	9.85	9.44	6.3012	0	0.0031	6.3043	0.0296	0	-0.0383	-0.0087
1578	9.18	9.42	6.3013	0	0.0033	6.3046	0.0307	0	-0.027	0.0037
1579	9.29	9.42	6.301	0	0.0047	6.3058	0.0335	0	-0.0363	-0.0028
1580	9.41	9.44	6.3006	0	0.0049	6.3056	0.0363	0	-0.0135	0.0228
1581	9.6	9.45	6.3	0	0.006	6.3059	0.041	0	-0.0085	0.0326
1582	9.84	9.44	6.2991	0	0.0077	6.3067	0.038	0	-0.0172	0.0208

1583	9.7	9.44	6.2983	0	0.009	6.3073	0.031	0	-0.019	0.0121
1584	9.3	9.42	6.2982	0	0.0118	6.31	0.0288	0	-0.035	-0.0061
1585	9.23	9.39	6.2975	0	0.012	6.3095	0.0299	0	-0.0494	-0.0194
1586	9.54	9.38	6.297	0	0.0123	6.3093	0.0331	0	-0.0427	-0.0096
1587	9.31	9.38	6.2964	0	0.0097	6.3062	0.0376	0	-0.0298	0.0078
1588	9.34	9.42	6.2959	0	0.0095	6.3054	0.0422	0	-0.0275	0.0147
1589	9.32	9.42	6.2949	0	0.0099	6.3048	0.0407	0	-0.0125	0.0282
1590	9.17	9.45	6.2945	0	0.0106	6.3051	0.0431	0	-0.0281	0.0151
1591	9.18	9.46	6.2947	0	0.0098	6.3045	0.041	0	-0.0011	0.0399
1592	9.27	9.43	6.2949	0	0.0083	6.3032	0.0415	0	0.0051	0.0466
1593	9.14	9.42	6.2945	0	0.0093	6.3038	0.0429	0	-0.0175	0.0254
1594	9.3	9.47	6.2944	0	0.0091	6.3036	0.05	0	-0.0583	-0.0082
1595	9.34	9.5	6.2955	0	0.0077	6.3032	0.056	0	-0.0829	-0.0268
1596	9.83	9.51	6.296	0	0.0055	6.3016	0.0571	0	-0.1086	-0.0515
1597	9.81	9.53	6.2962	0	0.0071	6.3033	0.0538	0	-0.126	-0.0721
1598	9.4	9.53	6.2959	0	0.0077	6.3036	0.0496	0	-0.0932	-0.0437
1599	9.88	9.51	6.2953	0	0.0088	6.3041	0.0473	0	-0.0672	-0.0199
1600	9.87	9.48	6.2948	0	0.0107	6.3055	0.0496	0	-0.0914	-0.0418
1601	9.28	9.46	6.2947	0	0.0113	6.306	0.0504	0	-0.1056	-0.0551
1602	9.48	9.42	6.2947	0	0.0099	6.3047	0.0513	0	-0.0926	-0.0412
1603	10.2	9.39	6.2948	0	0.008	6.3028	0.0505	0	-0.0861	-0.0356
1604	9.76	9.37	6.2947	0	0.0074	6.3021	0.0484	0	-0.0891	-0.0407
1605	9.86	9.34	6.2936	0	0.0076	6.3012	0.0489	0	-0.0885	-0.0396
1606	9.59	9.31	6.2932	0	0.0077	6.3009	0.0513	0	-0.078	-0.0267
1607	9.36	9.28	6.2928	0	0.0079	6.3007	0.0555	0	-0.0582	-0.0026
1608	8.92	9.27	6.2928	0	0.0081	6.3009	0.0451	0	-0.0566	-0.0115
1609	8.76	9.24	6.2928	0	0.0091	6.3018	0.0424	0	-0.0499	-0.0076
1610	8.75	9.22	6.2926	0	0.0092	6.3018	0.0434	0	-0.0415	0.0019
1611	8.5	9.22	6.2925	0	0.0077	6.3002	0.0462	0	-0.0193	0.0268
1612	8.45	9.23	6.2926	0	0.0074	6.3	0.0451	0	-0.0184	0.0267
1613	9	9.18	6.2928	0	0.0073	6.3001	0.0426	0	-0.071	-0.0284
1614	8.86	9.13	6.2932	0	0.0077	6.3009	0.0439	0	-0.0966	-0.0527
1615	9.18	9.1	6.2933	0	0.0073	6.3006	0.0432	0	-0.0564	-0.0132
1616	9.28	9.09	6.2934	0	0.0085	6.3019	0.041	0	-0.0704	-0.0294
1617	9.15	9.09	6.2936	0	0.0102	6.3038	0.0382	0	-0.0765	-0.0383
1618	9.37	9.1	6.2942	0	0.0101	6.3044	0.0403	0	-0.069	-0.0287
1619	9.51	9.13	6.295	0	0.0098	6.3048	0.0434	0	-0.0506	-0.0072

1620	9.21	9.16	6.2954	0	0.0103	6.3057	0.0445	0	-0.0516	-0.0071
1621	9.66	9.19	6.2957	0	0.0086	6.3042	0.0448	0	-0.0397	0.0051
1622	9.21	9.24	6.2961	0	0.0098	6.3059	0.0451	0	-0.0374	0.0077
1623	8.94	9.28	6.2959	0	0.0079	6.3038	0.0463	0	-0.0609	-0.0146
1624	9.15	9.31	6.2961	0	0.0072	6.3033	0.0487	0	-0.0641	-0.0154
1625	9.4	9.34	6.2962	0	0.0079	6.3041	0.0517	0	-0.087	-0.0353
1626	9.38	9.35	6.2963	0	0.0071	6.3034	0.0518	0	-0.045	0.0068
1627	9.22	9.35	6.2963	0	0.0051	6.3014	0.054	0	-0.0509	0.0031
1628	9.32	9.35	6.2958	0	0.0049	6.3007	0.0604	0	-0.0544	0.0059
1629	9.2	9.36	6.2952	0	0.0021	6.2973	0.0647	0	-0.0565	0.0082
1630	9.05	9.41	6.2944	0	0.0025	6.2968	0.0682	0	-0.0396	0.0286
1631	9.53	9.42	6.2938	0	0.0042	6.298	0.0731	0	-0.0336	0.0395
1632	9.6	9.45	6.2941	0	0.0051	6.2992	0.0746	0	-0.026	0.0486
1633	9.58	9.5	6.2941	0	0.0058	6.2999	0.0644	0	-0.0144	0.05
1634	9.65	9.54	6.2938	0	0.0061	6.3	0.055	0	0.0181	0.0732
1635	9.52	9.56	6.2934	0	0.0056	6.299	0.0591	0	0.0508	0.1099
1636	9.18	9.58	6.2931	0	0.0049	6.2979	0.0582	0	0.0562	0.1144
1637	9.37	9.6	6.2927	0	0.0058	6.2985	0.0585	0	0.0592	0.1177
1638	9.58	9.62	6.2928	0	0.0063	6.2991	0.0574	0	0.0468	0.1043
1639	10.2	9.64	6.2928	0	0.0082	6.301	0.0564	0	0.0485	0.1049
1640	9.88	9.67	6.2931	0	0.0067	6.2998	0.0495	0	0.0425	0.092
1641	9.82	9.67	6.2934	0	0.006	6.2994	0.0465	0	0.0486	0.0951
1642	9.91	9.67	6.2934	0	0.0075	6.3009	0.0494	0	0.0433	0.0927
1643	9.86	9.67	6.2932	0	0.0088	6.302	0.0505	0	0.0453	0.0957
1644	9.77	9.65	6.2931	0	0.009	6.3021	0.0472	0	0.0586	0.1059
1645	9.79	9.61	6.2931	0	0.0092	6.3023	0.0517	0	0.0489	0.1005
1646	9.6	9.6	6.2933	0	0.0102	6.3035	0.0653	0	0.0331	0.0984
1647	9.65	9.55	6.2935	0	0.0102	6.3037	0.0715	0	0.0142	0.0856
1648	9.65	9.54	6.2936	0	0.0082	6.3018	0.072	0	0.0256	0.0977
1649	9.64	9.5	6.2935	0	0.0111	6.3046	0.0664	0	0.0336	0.1001
1650	9.49	9.48	6.2934	0	0.0113	6.3047	0.0555	0	0.0746	0.1301
1651	9.58	9.45	6.2932	0	0.0098	6.303	0.055	0	0.0688	0.1238
1652	9.64	9.43	6.2931	0	0.009	6.302	0.0531	0	0.081	0.134
1653	9.28	9.41	6.293	0	0.0095	6.3025	0.05	0	0.073	0.123
1654	8.75	9.38	6.2931	0	0.0111	6.3042	0.0491	0	0.0678	0.117
1655	8.91	9.35	6.2933	0	0.0125	6.3058	0.0456	0	0.0683	0.114
1656	8.5	9.34	6.293	0	0.0116	6.3046	0.0329	0	0.0672	0.1002

1657	9.25	9.31	6.2935	0	0.0113	6.3047	0.0285	0	0.0715	0.1001
1658	9.53	9.27	6.2937	0	0.0105	6.3042	0.0262	0	0.0803	0.1065
1659	9.48	9.25	6.2936	0	0.0107	6.3043	0.0258	0	0.0713	0.097
1660	9.31	9.24	6.2938	0	0.0084	6.3022	0.0274	0	0.0815	0.1089
1661	9.4	9.21	6.2943	0	0.0068	6.301	0.0254	0	0.054	0.0794
1662	9.57	9.17	6.2947	0	0.0099	6.3046	0.0207	0	0.0534	0.0741
1663	9.11	9.19	6.2948	0	0.0122	6.307	0.0209	0	0.047	0.0678
1664	9.25	9.24	6.2952	0	0.01	6.3052	0.0232	0	0.0424	0.0656
1665	9.39	9.25	6.2955	0	0.0107	6.3062	0.0291	0	0.0458	0.075
1666	9.16	9.29	6.2956	0	0.0133	6.3089	0.0361	0	0.0319	0.068
1667	8.96	9.26	6.2955	0	0.0121	6.3076	0.0427	0	0.0438	0.0866
1668	9.26	9.23	6.2954	0	0.0108	6.3062	0.0481	0	0.0637	0.1117
1669	9.25	9.21	6.2955	0	0.011	6.3065	0.0612	0	0.0642	0.1254
1670	8.92	9.21	6.2957	0	0.0104	6.3061	0.0735	0	0.0663	0.1398
1671	9.01	9.23	6.2959	0	0.0081	6.3041	0.0812	0	0.0633	0.1445
1672	9.54	9.24	6.2961	0	0.0086	6.3047	0.0851	0	0.0427	0.1278
1673	9.81	9.25	6.2961	0	0.0094	6.3055	0.0885	0	0.0601	0.1485
1674	9.12	9.26	6.2959	0	0.012	6.3079	0.0853	0	0.0437	0.129
1675	9.14	9.27	6.2958	0	0.0083	6.3041	0.0831	0	0.0367	0.1198
1676	8.64	9.29	6.2955	0	0.0079	6.3034	0.0848	0	0.0555	0.1403
1677	9.03	9.32	6.2952	0	0.0085	6.3037	0.0822	0	0.0545	0.1366
1678	9.16	9.32	6.2948	0	0.0089	6.3037	0.0796	0	0.0448	0.1244
1679	9.27	9.3	6.2942	0	0.0087	6.3029	0.0722	0	0.0593	0.1315
1680	9.72	9.31	6.2933	0	0.0083	6.3016	0.0617	0	0.0412	0.1028
1681	9.79	9.33	6.2925	0	0.0086	6.3011	0.0473	0	0.0395	0.0868
1682	9.41	9.32	6.2926	0	0.0091	6.3017	0.0359	0	0.0576	0.0935
1683	9.28	9.28	6.2928	0	0.0071	6.2999	0.0366	0	0.045	0.0816
1684	9.58	9.3	6.2923	0	0.0068	6.299	0.0391	0	0.0466	0.0857
1685	9.53	9.32	6.2917	0	0.0064	6.2981	0.0354	0	0.0473	0.0827
1686	9.67	9.36	6.2912	0	0.0064	6.2975	0.0273	0	0.0394	0.0666
1687	9.29	9.39	6.2907	0	0.0051	6.2957	0.0223	0	0.0448	0.0671
1688	8.83	9.4	6.2902	0	0.0046	6.2949	0.021	0	0.0582	0.0792
1689	9	9.42	6.2899	0	0.0057	6.2956	0.025	0	0.0475	0.0725
1690	9.44	9.42	6.2898	0	0.0058	6.2956	0.0252	0	0.0615	0.0867
1691	9.41	9.45	6.2898	0	0.0054	6.2952	0.03	0	0.0202	0.0502
1692	8.99	9.47	6.2899	0	0.0037	6.2936	0.0389	0	0.0137	0.0526
1693	9.55	9.49	6.2898	0	0.0034	6.2932	0.0478	0	0.0331	0.081

1694	9.47	9.47	6.2893	0	0.0042	6.2935	0.0533	0	0.0424	0.0957
1695	9.48	9.44	6.289	0	0.0044	6.2933	0.0569	0	0.0415	0.0984
1696	9.46	9.39	6.2889	0	0.0041	6.293	0.0602	0	0.0441	0.1043
1697	9.48	9.36	6.289	0	0.0045	6.2935	0.0645	0	0.0541	0.1186
1698	9.62	9.37	6.2893	0	0.0043	6.2936	0.0704	0	0.0631	0.1336
1699	9.76	9.39	6.2897	0	0.0014	6.2911	0.0738	0	0.0456	0.1194
1700	10.2	9.4	6.2893	0	0.0038	6.2931	0.0723	0	0.0724	0.1447
1701	9.91	9.4	6.2894	0	0.0032	6.2926	0.0813	0	0.0879	0.1692
1702	9.64	9.42	6.2897	0	0.0026	6.2924	0.084	0	0.0654	0.1494
1703	9.2	9.41	6.2899	0	0.0012	6.2911	0.0862	0	0.0638	0.15
1704	8.94	9.38	6.2901	0	0.0006	6.2907	0.092	0	0.079	0.171
1705	8.67	9.36	6.2903	0	0.0009	6.2912	0.0971	0	0.0897	0.1868
1706	8.7	9.37	6.2903	0	0.0005	6.2909	0.0957	0	0.0961	0.1918
1707	9.12	9.36	6.2902	0	-0.0001	6.2901	0.0922	0	0.1057	0.1979
1708	9.35	9.35	6.2902	0	0.001	6.2912	0.0996	0	0.0944	0.194
1709	9.57	9.33	6.29	0	0.0009	6.2909	0.1001	0	0.0947	0.1948
1710	9.4	9.28	6.2901	0	0.0038	6.2939	0.098	0	0.1055	0.2036
1711	9.52	9.25	6.2905	0	0.0024	6.2928	0.1007	0	0.0889	0.1895
1712	9.26	9.24	6.2905	0	0.0027	6.2932	0.1085	0	0.0764	0.1849
1713	8.98	9.25	6.2905	0	0.0031	6.2936	0.1133	0	0.1113	0.2246
1714	9.14	9.28	6.2903	0	0.0031	6.2934	0.1107	0	0.1347	0.2454
1715	9.53	9.33	6.2897	0	0.0041	6.2938	0.1119	0	0.1027	0.2146
1716	9.4	9.36	6.2892	0	0.0041	6.2932	0.1137	0	0.1025	0.2162
1717	9.3	9.34	6.2888	0	0.0038	6.2926	0.1148	0	0.1329	0.2477
1718	9.44	9.33	6.2881	0	0.0037	6.2918	0.1112	0	0.1073	0.2186
1719	9.19	9.31	6.2876	0	0.0032	6.2908	0.1087	0	0.0736	0.1823
1720	9.39	9.31	6.2873	0	0.004	6.2912	0.1073	0	0.0703	0.1776
1721	9.44	9.29	6.2871	0	0.0043	6.2915	0.1076	0	0.0757	0.1833
1722	9.38	9.29	6.2872	0	0.0038	6.2911	0.1098	0	0.0692	0.1791
1723	9.54	9.3	6.2874	0	0.0035	6.2909	0.1124	0	0.0905	0.2029
1724	9.67	9.3	6.2878	0	0.0036	6.2913	0.1141	0	0.1224	0.2365
1725	9.19	9.3	6.2877	0	0.0023	6.29	0.1139	0	0.1367	0.2507
1726	8.78	9.28	6.2881	0	0.0017	6.2897	0.1099	0	0.0941	0.2041
1727	9.12	9.26	6.2883	0	0.0006	6.2889	0.1047	0	0.0938	0.1985
1728	9.32	9.23	6.2886	0	-0.001	6.2876	0.1041	0	0.095	0.199
1729	9.23	9.23	6.289	0	-0.002	6.287	0.1023	0	0.0832	0.1855
1730	9.31	9.22	6.2897	0	-0.0015	6.2882	0.0961	0	0.0725	0.1686

1731	9.13	9.21	6.2902	0	-0.0015	6.2887	0.0873	0	0.0768	0.1641
1732	9.11	9.22	6.2904	0	0.0006	6.291	0.0806	0	0.083	0.1636
1733	9.28	9.25	6.2902	0	0.0011	6.2913	0.0842	0	0.0784	0.1626
1734	9.43	9.27	6.2903	0	0.0014	6.2917	0.0869	0	0.0531	0.1399
1735	9.08	9.3	6.2907	0	0.0017	6.2923	0.0802	0	0.0563	0.1365
1736	8.88	9.34	6.2908	0	0.0004	6.2912	0.0724	0	0.0284	0.1008
1737	8.95	9.36	6.2906	0	0	6.2906	0.0663	0	0.028	0.0942
1738	9.06	9.41	6.2903	0	0.0015	6.2918	0.0587	0	0.042	0.1007
1739	9.33	9.44	6.2903	0	0.002	6.2923	0.0488	0	0.0502	0.0991
1740	9.23	9.44	6.2901	0	0.0047	6.2948	0.0386	0	0.0504	0.089
1741	9.52	9.46	6.2895	0	0.0046	6.2941	0.0299	0	0.058	0.0879
1742	10.1	9.5	6.2886	0	0.0042	6.2928	0.0282	0	0.0476	0.0758
1743	10	9.51	6.2879	0	0.0046	6.2925	0.0265	0	0.0091	0.0357
1744	9.76	9.5	6.2874	0	0.0048	6.2922	0.0244	0	-0.0167	0.0077
1745	9.54	9.53	6.2871	0	0.0048	6.2919	0.0175	0	-0.0143	0.0032
1746	9.5	9.57	6.2869	0	0.0048	6.2917	0.0152	0	-0.0043	0.0109
1747	10.3	9.6	6.2865	0	0.0039	6.2903	0.0164	0	0.0097	0.0261
1748	9.7	9.64	6.2862	0	0.0036	6.2898	0.0175	0	0.0336	0.0511
1749	9.46	9.66	6.2863	0	0.0039	6.2902	0.0201	0	0.0452	0.0653
1750	9.49	9.71	6.2852	0	0.0025	6.2878	0.0265	0	0.0247	0.0512
1751	9.83	9.73	6.2848	0	0.0033	6.2881	0.0274	0	0.0461	0.0735
1752	9.47	9.71	6.2844	0	0.0026	6.287	0.0286	0	0.0412	0.0698
1753	9.28	9.68	6.2838	0	0.0016	6.2854	0.0323	0	0.0353	0.0676
1754	9.61	9.67	6.2833	0	0.0022	6.2855	0.0342	0	0.021	0.0551
1755	9.52	9.68	6.2837	0	0.0029	6.2866	0.0367	0	0.0146	0.0514
1756	9.59	9.69	6.2838	0	0.001	6.2848	0.0394	0	0.0178	0.0572
1757	9.82	9.65	6.2835	0	0.0018	6.2853	0.04	0	0.0145	0.0545
1758	9.69	9.66	6.2837	0	0.001	6.2847	0.0391	0	0.0077	0.0468
1759	10.2	9.67	6.2838	0	0.0001	6.284	0.0394	0	0.0198	0.0591
1760	10	9.69	6.2837	0	-0.0005	6.2832	0.0379	0	0.0191	0.057
1761	9.71	9.68	6.2834	0	-0.0008	6.2826	0.0392	0	0.0513	0.0905
1762	9.54	9.68	6.2834	0	-0.0012	6.2822	0.0437	0	0.0358	0.0795
1763	9.4	9.67	6.2838	0	-0.0013	6.2825	0.0452	0	0.04	0.0852
1764	9.75	9.65	6.284	0	-0.0003	6.2838	0.0453	0	0.0449	0.0902
1765	9.7	9.63	6.2841	0	0.0005	6.2846	0.0431	0	0.0457	0.0888
1766	9.58	9.62	6.2841	0	0	6.2841	0.0367	0	0.058	0.0947
1767	9.86	9.59	6.2843	0	0.0014	6.2857	0.031	0	0.0584	0.0894

1768	9.73	9.56	6.2845	0	0.0034	6.2879	0.0271	0	0.0559	0.083
1769	9.81	9.5	6.2848	0	0.0039	6.2887	0.0189	0	0.0554	0.0743
1770	9.73	9.43	6.2849	0	0.0028	6.2878	0.0132	0	0.0496	0.0628
1771	9.35	9.39	6.285	0	0.0012	6.2862	0.0086	0	0.0604	0.069
1772	9.14	9.36	6.2849	0	-0.0004	6.2844	0.0075	0	0.0651	0.0725
1773	9.18	9.35	6.2847	0	-0.0028	6.2819	0.0086	0	0.0598	0.0684
1774	9.31	9.33	6.2845	0	-0.0017	6.2828	0.0109	0	0.0565	0.0674
1775	9.36	9.33	6.2848	0	-0.0011	6.2837	0.0163	0	0.0577	0.0739
1776	9.2	9.31	6.285	0	-0.0015	6.2836	0.0154	0	0.0422	0.0576
1777	9.17	9.29	6.2848	0	-0.001	6.2838	0.0203	0	0.0337	0.054
1778	8.88	9.26	6.2846	0	0.0006	6.2852	0.0241	0	0.0199	0.0439
1779	8.7	9.22	6.2846	0	0.0014	6.286	0.028	0	-0.0025	0.0255
1780	8.96	9.17	6.2846	0	0.0006	6.2852	0.0347	0	-0.0167	0.018
1781	8.92	9.16	6.2845	0	0.0003	6.2847	0.0442	0	-0.0094	0.0348
1782	9.24	9.14	6.2842	0	0.0013	6.2855	0.0531	0	-0.0104	0.0426
1783	9.5	9.13	6.2841	0	0.0018	6.2859	0.0565	0	0.021	0.0775
1784	9.56	9.11	6.2843	0	0.0011	6.2854	0.0547	0	0.0291	0.0839
1785	9.38	9.12	6.2844	0	0.0035	6.288	0.0563	0	0.0341	0.0903
1786	9.36	9.12	6.2846	0	0.0036	6.2881	0.0631	0	0.0386	0.1018
1787	9.27	9.09	6.2848	0	0.0009	6.2857	0.067	0	0.0191	0.0861
1788	8.93	9.09	6.2853	0	-0.0004	6.285	0.0643	0	0.0124	0.0767
1789	8.81	9.11	6.2861	0	0.0006	6.2867	0.0603	0	0.0383	0.0987
1790	9.14	9.12	6.2868	0	0	6.2868	0.061	0	0.0469	0.1079
1791	8.86	9.08	6.287	0	0.0007	6.2877	0.0591	0	0.0919	0.1511
1792	8.93	9.05	6.2872	0	0.0028	6.2901	0.05	0	0.0926	0.1426
1793	8.99	8.99	6.2874	0	0.0051	6.2925	0.0353	0	0.0861	0.1214
1794	9.53	8.94	6.2875	0	0.0057	6.2932	0.0232	0	0.0952	0.1184
1795	9.23	8.96	6.2875	0	0.0048	6.2923	0.0152	0	0.1007	0.116
1796	8.57	8.95	6.2873	0	0.0031	6.2904	0.0103	0	0.102	0.1123
1797	8.77	8.95	6.2872	0	0.0012	6.2884	0.0058	0	0.1041	0.1099
1798	9.09	8.78	6.2873	0	-0.0002	6.2871	-0.0019	0	0.0884	0.0865
1799	9.19	8.85	6.2871	0	-0.0011	6.286	-0.0068	0	0.0854	0.0786
1800	8.27	8.27	6.2866	0	-0.0008	6.2857	-0.0053	0	0.0922	0.087