Test Name	**HPL, MW, rep 3**
Cladding	**High Pressure Laminate (HPL)**
Cladding Thickness [mm]	**8**
Insulation	**Mineral Wool (MW)**
Insulation Thickness [mm]	**100**
Cavity Width [mm]	**50**
Repetition Number	**3**
Mass Flow Rate (Propane)	**0.2**
Description	This experiment is on a system consisting of a High Pressure Laminate (HPL) cladding panel and a Mineral Wool (MW) insulation panel, separated with a cavity of 50 mm width. It is the third repetition of this system configuration.
Experiment Notes	At approximately 8 minutes the HPL panel began to touch the insulation panel, affecting the mass measurements. At approximately 14 mins the cladding panel frame is seen to shift as the panel breaks.
Peak HRR [kW]	**89**
Time to Peak HRR [mins]	**13.48**
Residual HRR [kW]	**21.4**
Total HR [MJ]	**76.4**
Peak dQ/dt [kW/s]	**0.459**
Time to Peak dQ/dt [s]	**7.7**

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	-0.113	-0.113	6.9622	2.8076	-0.0013	9.7685	0.2701	0.1296	0.0083	0.408
1	-0.0659	-0.047	6.9594	2.8063	-0.0015	9.7642	0.2654	0.1306	0.0041	0.4001
2	0.0378	0.0473	6.9576	2.8042	-0.0009	9.7608	0.2769	0.1223	0.004	0.4032
3	0.0979	0.181	6.9567	2.8034	-0.0009	9.7592	0.2935	0.1185	0.004	0.416
4	0.28	0.308	6.9555	2.8036	-0.0008	9.7583	0.3095	0.1141	0.0046	0.4282
5	0.4	0.429	6.9529	2.804	-0.0009	9.756	0.338	0.1105	0.0075	0.456
6	0.629	0.632	6.9521	2.8044	-0.0009	9.7556	0.3676	0.1082	0.008	0.4839
7	0.78	1.03	6.9523	2.8039	-0.001	9.7553	0.373	0.1037	0.006	0.4827
8	0.727	1.64	6.9523	2.8039	-0.0011	9.7551	0.3712	0.1027	0.0067	0.4807
9	0.993	2.26	6.952	2.804	-0.0009	9.7551	0.3854	0.0998	0.007	0.4922
10	0.956	2.7	6.9515	2.8041	-0.0011	9.7545	0.3947	0.1013	0.0085	0.5045
11	1.46	3.16	6.9513	2.804	-0.0011	9.7542	0.3839	0.0998	0.0116	0.4953
12	2.03	3.62	6.9509	2.8039	-0.0012	9.7537	0.3647	0.1013	0.0118	0.4778
13	3.01	4.08	6.9503	2.8036	-0.0013	9.7525	0.3538	0.1065	0.0124	0.4727
14	4.21	4.57	6.949	2.8035	-0.0013	9.7511	0.3452	0.1072	0.0117	0.4641
15	5.64	5.06	6.9475	2.8033	-0.0014	9.7494	0.3337	0.1066	0.0109	0.4512
16	6.72	5.52	6.9465	2.8032	-0.0013	9.7484	0.3225	0.107	0.0083	0.4379
17	7.42	6.01	6.9464	2.8034	-0.0013	9.7484	0.3148	0.1061	0.0076	0.4285
18	7.78	6.48	6.9466	2.8031	-0.0014	9.7483	0.3196	0.1017	0.0087	0.43
19	8.13	6.94	6.9467	2.8031	-0.0013	9.7485	0.3393	0.0997	0.0076	0.4466
20	8.74	7.44	6.9461	2.8026	-0.0014	9.7473	0.3615	0.0967	0.0073	0.4655
21	8.69	7.92	6.9455	2.8024	-0.0015	9.7464	0.3678	0.0905	0.0061	0.4645
22	8.99	8.34	6.9444	2.802	-0.0014	9.745	0.3655	0.0942	0.0091	0.4687
23	9.49	8.68	6.9436	2.8016	-0.0014	9.7438	0.3615	0.0941	0.0107	0.4663
24	9.69	8.96	6.9431	2.8015	-0.0015	9.7431	0.3623	0.0957	0.0102	0.4681
25	9.48	9.16	6.9427	2.8013	-0.0017	9.7424	0.3701	0.0951	0.008	0.4732
26	9.94	9.31	6.9428	2.8012	-0.0017	9.7423	0.3763	0.0978	0.0046	0.4786
27	9.79	9.45	6.943	2.8011	-0.0016	9.7425	0.3819	0.0994	0.0012	0.4824
28	9.74	9.55	6.9449	2.8012	-0.0015	9.7445	0.3838	0.093	0.0023	0.4791

29	10.4	9.65	6.9466	2.801	-0.0014	9.7462	0.3796	0.0884	0.0027	0.4707
30	10.5	9.71	6.9467	2.8007	-0.0015	9.7459	0.3791	0.0847	0.0026	0.4664
31	10.1	9.77	6.9471	2.8007	-0.0015	9.7462	0.3795	0.0823	0.0028	0.4645
32	9.42	9.81	6.9468	2.8007	-0.0015	9.7459	0.3661	0.0791	0.0041	0.4493
33	9.54	9.85	6.9469	2.8008	-0.0014	9.7463	0.3497	0.0748	0.0049	0.4294
34	9.48	9.88	6.9471	2.801	-0.0013	9.7468	0.3521	0.0732	0.0049	0.4302
35	9.63	9.92	6.9473	2.8012	-0.0014	9.7471	0.3543	0.0691	0.0061	0.4295
36	10.1	9.92	6.9476	2.8013	-0.0013	9.7476	0.3583	0.0665	0.0056	0.4303
37	9.67	9.94	6.9472	2.8015	-0.0013	9.7473	0.3554	0.0661	0.0047	0.4262
38	9.88	9.97	6.9467	2.8016	-0.0015	9.7469	0.3452	0.0686	0.0047	0.4185
39	10	9.98	6.9462	2.8017	-0.0015	9.7464	0.3435	0.0714	0.0057	0.4206
40	9.81	9.99	6.9449	2.8018	-0.0016	9.7451	0.3647	0.0764	0.0046	0.4456
41	9.65	10	6.9448	2.8022	-0.0016	9.7454	0.3774	0.0734	0.0056	0.4564
42	10.3	10.1	6.9458	2.8021	-0.0016	9.7463	0.3781	0.0734	0.0058	0.4573
43	10.3	10.1	6.9467	2.8018	-0.0016	9.7469	0.3833	0.0743	0.0066	0.4642
44	10.2	10.2	6.9466	2.8015	-0.0018	9.7463	0.3953	0.0734	0.0065	0.4752
45	9.97	10.2	6.947	2.8016	-0.0018	9.7467	0.4062	0.0756	0.0059	0.4877
46	10.1	10.2	6.947	2.8014	-0.0018	9.7466	0.4204	0.0771	0.0053	0.5028
47	10.3	10.2	6.9473	2.8014	-0.0018	9.7469	0.426	0.0793	0.0053	0.5106
48	10.5	10.2	6.9475	2.8012	-0.0018	9.7469	0.4251	0.0844	0.0044	0.5139
49	10.8	10.2	6.9479	2.8012	-0.0016	9.7475	0.4314	0.0828	0.0041	0.5183
50	10.6	10.2	6.9479	2.801	-0.0014	9.7475	0.4279	0.0828	0.0041	0.5149
51	10.6	10.2	6.947	2.8013	-0.0014	9.7469	0.4375	0.0828	0.004	0.5243
52	10.6	10.2	6.9458	2.8014	-0.0014	9.7458	0.4151	0.0681	0.0017	0.4849
53	10.3	10.3	6.9447	2.8015	-0.0014	9.7448	0.405	0.0462	0.0068	0.458
54	10.1	10.3	6.9428	2.8016	-0.0016	9.7428	0.4033	0.0427	0.0066	0.4527
55	9.65	10.3	6.9408	2.8016	-0.0016	9.7408	0.3928	0.0496	0.0076	0.4501
56	9.87	10.3	6.9401	2.8018	-0.0015	9.7404	0.3694	0.0529	0.0076	0.4299
57	9.7	10.4	6.9399	2.8017	-0.0016	9.74	0.3694	0.0575	0.0087	0.4356
58	9.78	10.4	6.9387	2.8018	-0.0016	9.7388	0.3776	0.0512	0.0075	0.4363
59	10.2	10.4	6.9377	2.8016	-0.0017	9.7376	0.3738	0.0551	0.0062	0.435
60	10.6	10.4	6.938	2.8016	-0.0019	9.7377	0.3654	0.0607	0.0079	0.4341
61	10.6	10.4	6.9388	2.8014	-0.0019	9.7383	0.3622	0.061	0.006	0.4292
62	10.6	10.5	6.9391	2.801	-0.002	9.7381	0.3678	0.0598	0.0058	0.4335
63	10.6	10.5	6.9393	2.8008	-0.0019	9.7382	0.3715	0.0593	0.0042	0.435
64	10.5	10.5	6.9397	2.8008	-0.0019	9.7386	0.3686	0.0578	0.0024	0.4288
65	10.6	10.6	6.9401	2.8006	-0.0017	9.739	0.3659	0.0535	0.0039	0.4234

66	10.7	10.6	6.9403	2.8006	-0.0017	9.7392	0.3671	0.0541	0.0038	0.4251
67	11	10.7	6.9397	2.8008	-0.0018	9.7386	0.3721	0.0543	0.0057	0.4321
68	11.3	10.7	6.938	2.8008	-0.0017	9.7371	0.3922	0.054	0.0086	0.4547
69	10.5	10.7	6.9361	2.8009	-0.0017	9.7353	0.4132	0.0513	0.0099	0.4744
70	11.1	10.7	6.9353	2.8013	-0.0016	9.7349	0.4191	0.0481	0.011	0.4781
71	11	10.7	6.9351	2.8009	-0.0018	9.7341	0.4251	0.0504	0.0101	0.4857
72	11	10.7	6.935	2.8008	-0.002	9.7338	0.434	0.0536	0.0112	0.4988
73	10.9	10.7	6.9346	2.8006	-0.0019	9.7332	0.431	0.0533	0.012	0.4963
74	10.5	10.7	6.9336	2.8005	-0.0018	9.7324	0.4225	0.0572	0.0124	0.4921
75	10.5	10.7	6.9328	2.8002	-0.0015	9.7315	0.4181	0.0576	0.012	0.4877
76	10.4	10.7	6.932	2.8	-0.0013	9.7307	0.4195	0.0589	0.0087	0.4871
77	10.6	10.7	6.9315	2.8004	-0.0014	9.7305	0.4248	0.0631	0.0077	0.4956
78	10.7	10.8	6.9314	2.8007	-0.0014	9.7307	0.4371	0.0704	0.0064	0.5139
79	10.6	10.9	6.9311	2.8009	-0.0014	9.7306	0.4648	0.0729	0.0051	0.5428
80	10.4	10.9	6.9307	2.801	-0.0014	9.7303	0.4806	0.0662	0.007	0.5537
81	10.4	10.9	6.9314	2.8012	-0.0015	9.731	0.4799	0.0581	0.0049	0.5429
82	10.2	10.9	6.9324	2.8015	-0.0016	9.7322	0.4918	0.0596	0.0027	0.5541
83	10.7	11	6.9318	2.8015	-0.0016	9.7317	0.4968	0.0557	0.0015	0.554
84	10.8	11.1	6.9313	2.8018	-0.0017	9.7314	0.5045	0.0511	0.003	0.5586
85	11.4	11.2	6.9306	2.802	-0.0017	9.7309	0.5159	0.0535	0.003	0.5724
86	11.2	11.3	6.9305	2.8019	-0.0016	9.7308	0.5321	0.0563	0.0018	0.5902
87	11.7	11.4	6.931	2.8016	-0.0016	9.7311	0.5507	0.0587	-0.0004	0.609
88	12.2	11.5	6.9308	2.8013	-0.0017	9.7304	0.5568	0.0567	-0.001	0.6125
89	11.7	11.6	6.9286	2.8008	-0.0016	9.7278	0.5544	0.056	-0.0018	0.6085
90	11.4	11.7	6.927	2.801	-0.0017	9.7263	0.5541	0.057	-0.003	0.6081
91	11.5	11.8	6.9266	2.8009	-0.0017	9.7258	0.5433	0.0592	-0.0038	0.5987
92	12.2	11.9	6.9257	2.8008	-0.0018	9.7247	0.5485	0.0623	-0.0004	0.6104
93	12.8	11.9	6.9242	2.8008	-0.0018	9.7232	0.5689	0.0631	0.0025	0.6346
94	12.3	12	6.9228	2.8005	-0.0017	9.7215	0.5948	0.0644	0.0045	0.6636
95	12.2	12.1	6.921	2.8003	-0.0017	9.7196	0.6113	0.0639	0.0026	0.6779
96	12.5	12.2	6.9201	2.8	-0.0017	9.7184	0.6375	0.065	0.0035	0.706
97	12.3	12.2	6.9197	2.7994	-0.0016	9.7175	0.6663	0.0694	0.0039	0.7395
98	12.4	12.2	6.9187	2.7995	-0.0016	9.7166	0.6925	0.0698	0.0005	0.7629
99	12.3	12.3	6.9186	2.7994	-0.0016	9.7164	0.7152	0.0747	0	0.7899
100	11.8	12.3	6.9184	2.7993	-0.0017	9.7161	0.7379	0.067	-0.0048	0.8001
101	12.1	12.3	6.9179	2.7995	-0.0017	9.7157	0.7393	0.0649	0.0084	0.8126
102	12.1	12.3	6.9171	2.7995	-0.0016	9.715	0.7394	0.0664	0.0042	0.81

103	12.2	12.3	6.9163	2.7992	-0.0016	9.7139	0.748	0.0665	0.0053	0.8198
104	12.6	12.3	6.9162	2.7986	-0.0016	9.7132	0.7603	0.0634	0.006	0.8297
105	13.2	12.4	6.9159	2.7987	-0.0017	9.713	0.7531	0.0666	0.004	0.8237
106	12.7	12.4	6.9151	2.7986	-0.0018	9.712	0.7485	0.0702	0.0038	0.8225
107	11.9	12.5	6.9146	2.7988	-0.0017	9.7117	0.7574	0.078	0.0064	0.8418
108	12.3	12.5	6.9149	2.7984	-0.0017	9.7116	0.7713	0.0794	0.0054	0.8562
109	12.2	12.6	6.9155	2.7979	-0.0017	9.7117	0.7817	0.0844	0.0041	0.8702
110	11.6	12.7	6.9153	2.798	-0.0017	9.7116	0.7806	0.081	0.001	0.8626
111	13	12.7	6.9145	2.798	-0.0017	9.7108	0.8065	0.0792	0.0003	0.886
112	12.5	12.9	6.9138	2.798	-0.0016	9.7102	0.8224	0.0802	0.0016	0.9041
113	12.4	12.9	6.9134	2.7978	-0.0015	9.7096	0.8373	0.079	0.001	0.9173
114	12.7	13	6.9124	2.7981	-0.0017	9.7088	0.8525	0.0749	0.0026	0.93
115	13.3	13	6.9108	2.7979	-0.0017	9.7069	0.8703	0.0736	0.0041	0.948
116	13.5	13	6.9093	2.7978	-0.0019	9.7051	0.8865	0.0719	0.0066	0.9651
117	13.3	13.1	6.9071	2.798	-0.0022	9.7029	0.9093	0.0685	0.007	0.9848
118	13.2	13.2	6.9053	2.798	-0.0024	9.7009	0.9161	0.0704	0.0079	0.9944
119	13.4	13.3	6.9048	2.7983	-0.0024	9.7007	0.9209	0.0681	0.0041	0.9931
120	14	13.5	6.9036	2.7975	-0.0024	9.6988	0.902	0.0743	0.0138	0.9902
121	14	13.6	6.9021	2.7971	-0.0026	9.6965	0.9134	0.0815	0.0114	1.0064
122	13.7	13.6	6.9013	2.7966	-0.0026	9.6954	0.93	0.078	0.0063	1.0142
123	13.6	13.7	6.9014	2.7959	-0.0026	9.6946	0.9439	0.0781	0.0027	1.0247
124	13.3	13.8	6.9013	2.7957	-0.0027	9.6943	0.9481	0.0812	0.0042	1.0335
125	13.7	13.9	6.9008	2.7955	-0.0025	9.6937	0.9539	0.0856	0.0013	1.0408
126	13.9	13.9	6.9003	2.7949	-0.0025	9.6927	0.9685	0.0783	0.001	1.0478
127	13.4	13.9	6.8993	2.7941	-0.0023	9.6911	0.9784	0.0755	0.0039	1.0578
128	14.1	14	6.8984	2.7939	-0.002	9.6903	0.9827	0.0811	0.0042	1.068
129	15	14.1	6.8985	2.7944	-0.0021	9.6908	0.9957	0.082	0.002	1.0797
130	14.7	14.2	6.8987	2.7949	-0.002	9.6916	1.003	0.0832	0.0019	1.0881
131	14.1	14.2	6.8979	2.7947	-0.0018	9.6908	1.0037	0.0854	0.001	1.0901
132	14.3	14.3	6.8971	2.7951	-0.0017	9.6905	1.0206	0.083	0.0011	1.1047
133	13.7	14.4	6.8964	2.7957	-0.0017	9.6904	1.0494	0.0837	-0.0002	1.1329
134	14.3	14.5	6.8956	2.7957	-0.0016	9.6896	1.0627	0.0863	-0.0025	1.1465
135	14.1	14.7	6.8941	2.7956	-0.0016	9.6881	1.0732	0.0929	-0.0047	1.1614
136	14.6	14.9	6.8925	2.7955	-0.0013	9.6867	1.0837	0.0977	-0.0026	1.1788
137	14.4	15.1	6.8915	2.7958	-0.0012	9.6861	1.099	0.0983	-0.0002	1.1971
138	15.1	15.3	6.8913	2.796	-0.0013	9.686	1.1245	0.1028	-0.0018	1.2254
139	15	15.4	6.8908	2.796	-0.0012	9.6856	1.1403	0.0982	-0.0039	1.2346

140	15.1	15.5	6.8906	2.7959	-0.0012	9.6852	1.1362	0.0932	-0.0048	1.2246
141	14.8	15.8	6.89	2.796	-0.0016	9.6844	1.1439	0.0892	-0.0038	1.2293
142	15.8	16	6.8889	2.7957	-0.0018	9.6828	1.1609	0.089	-0.0039	1.246
143	16.3	16.2	6.8872	2.7953	-0.002	9.6805	1.1719	0.0871	-0.0056	1.2534
144	16.8	16.5	6.8855	2.7952	-0.0021	9.6785	1.1789	0.0878	-0.0045	1.2622
145	17.1	16.7	6.8832	2.7951	-0.0022	9.6761	1.1862	0.0812	-0.0035	1.2639
146	17.2	17	6.8804	2.7945	-0.0022	9.6727	1.1902	0.0753	-0.0023	1.2633
147	17.3	17.2	6.878	2.7945	-0.0019	9.6707	1.2046	0.0718	-0.0003	1.2762
148	17.2	17.4	6.876	2.7938	-0.0018	9.6679	1.2227	0.0699	0.0018	1.2944
149	17.7	17.6	6.8741	2.7945	-0.0011	9.6675	1.2308	0.0691	0.005	1.3048
150	18.6	17.8	6.8739	2.7945	-0.0022	9.6662	1.2458	0.0717	0.0046	1.3221
151	18.8	18	6.8731	2.7947	-0.0018	9.6659	1.267	0.0739	0.0015	1.3424
152	18.3	18.2	6.871	2.7948	-0.0019	9.6639	1.2797	0.0771	-0.0002	1.3566
153	18.5	18.3	6.8687	2.7952	-0.002	9.6618	1.2862	0.0809	-0.0009	1.3661
154	19.5	18.4	6.8675	2.7949	-0.002	9.6604	1.3012	0.0799	-0.0037	1.3774
155	19.4	18.5	6.866	2.7946	-0.002	9.6585	1.3223	0.0751	-0.0057	1.3918
156	18.4	18.6	6.8644	2.794	-0.0022	9.6562	1.3434	0.0777	-0.0066	1.4145
157	18.7	18.6	6.8627	2.7938	-0.0021	9.6544	1.353	0.0781	-0.0068	1.4243
158	18.7	18.8	6.8605	2.7933	-0.002	9.6518	1.3755	0.0782	-0.0062	1.4475
159	18.4	18.9	6.8596	2.7935	-0.0018	9.6514	1.3971	0.0767	-0.0079	1.4659
160	18.4	18.9	6.8573	2.7937	-0.0019	9.6491	1.4137	0.0716	-0.0068	1.4785
161	19.7	18.9	6.8565	2.7934	-0.0021	9.6478	1.4339	0.074	-0.006	1.5019
162	19	18.9	6.8554	2.7931	-0.0021	9.6464	1.4449	0.0746	-0.0054	1.514
163	18.9	19	6.854	2.7933	-0.0022	9.6452	1.4539	0.0763	-0.0032	1.527
164	18.4	19	6.8527	2.7934	-0.0023	9.6438	1.4686	0.0783	-0.0017	1.5452
165	18.7	19	6.8515	2.7934	-0.0024	9.6425	1.4736	0.083	-0.0022	1.5543
166	19	19.1	6.8494	2.7937	-0.0024	9.6407	1.4716	0.0855	-0.0016	1.5555
167	19.5	19.1	6.848	2.7937	-0.0026	9.6392	1.4816	0.0829	-0.0039	1.5606
168	19.5	19.2	6.8459	2.794	-0.0021	9.6378	1.4825	0.0896	-0.0046	1.5675
169	18.7	19.3	6.8459	2.7935	-0.0031	9.6363	1.4884	0.0977	-0.0058	1.5802
170	19.4	19.3	6.8439	2.7931	-0.0028	9.6343	1.5079	0.0992	-0.0066	1.6004
171	19.1	19.4	6.8421	2.7931	-0.0025	9.6327	1.5131	0.0968	-0.0086	1.6013
172	20.1	19.4	6.8406	2.793	-0.0022	9.6314	1.5171	0.0905	-0.0086	1.599
173	19.8	19.5	6.8398	2.7925	-0.0024	9.6299	1.5351	0.0801	-0.0091	1.6062
174	19.1	19.6	6.8382	2.792	-0.0019	9.6283	1.5646	0.0711	-0.011	1.6246
175	19.6	19.7	6.8359	2.7924	-0.0016	9.6267	1.5911	0.0741	-0.0127	1.6525
176	19.6	19.9	6.8342	2.7925	-0.0017	9.625	1.6183	0.0741	-0.0129	1.6795

177	19.3	19.9	6.8332	2.7923	-0.0018	9.6237	1.6369	0.0638	-0.0127	1.6881
178	20.2	20	6.8318	2.7925	-0.0016	9.6227	1.6533	0.0518	-0.0106	1.6946
179	19.7	20.1	6.8308	2.7926	-0.0016	9.6218	1.6706	0.0471	-0.0081	1.7096
180	20.4	20.2	6.8303	2.7925	-0.0015	9.6212	1.7017	0.0531	-0.008	1.7468
181	20	20.3	6.8293	2.7929	-0.0016	9.6206	1.7268	0.0592	-0.0066	1.7794
182	20.7	20.4	6.8274	2.7931	-0.0016	9.619	1.74	0.0569	-0.0038	1.7931
183	20.3	20.4	6.8255	2.7929	-0.0013	9.6171	1.7561	0.0583	-0.003	1.8114
184	20.8	20.5	6.824	2.7925	-0.0012	9.6152	1.7692	0.0617	-0.0026	1.8282
185	21.3	20.6	6.8222	2.7922	-0.0014	9.613	1.7844	0.0595	-0.0032	1.8408
186	21	20.7	6.8206	2.7921	-0.0016	9.6111	1.796	0.0567	-0.002	1.8506
187	21.1	20.8	6.8186	2.7914	-0.0014	9.6085	1.8121	0.0624	0.0011	1.8756
188	21.1	20.8	6.8168	2.7915	-0.0013	9.607	1.8221	0.0669	0.001	1.89
189	21.3	20.9	6.815	2.7915	-0.0011	9.6053	1.8465	0.0742	0.0001	1.9208
190	20.9	21	6.8127	2.7921	-0.0013	9.6034	1.8746	0.0806	0.0007	1.9559
191	20.5	21.2	6.8105	2.792	-0.0013	9.6012	1.8908	0.0833	-0.0015	1.9726
192	20.6	21.3	6.8086	2.7921	-0.0012	9.5994	1.9048	0.0853	-0.0059	1.9841
193	20.5	21.5	6.8063	2.792	-0.0014	9.597	1.916	0.0853	-0.0097	1.9916
194	21.6	21.6	6.8042	2.7924	-0.0014	9.5952	1.921	0.0833	-0.0122	1.9921
195	21.4	21.8	6.802	2.7927	-0.0015	9.5933	1.9236	0.0806	-0.0136	1.9905
196	21.3	22	6.7996	2.7928	-0.0017	9.5907	1.9246	0.0782	-0.0163	1.9865
197	20.8	22.3	6.7975	2.7924	-0.0018	9.5881	1.9145	0.0726	-0.0174	1.9696
198	21.7	22.5	6.7956	2.7926	-0.0021	9.5861	1.925	0.0671	-0.0155	1.9766
199	22.6	22.6	6.794	2.7922	-0.0021	9.5842	1.9273	0.0596	-0.017	1.9699
200	23.2	22.8	6.7918	2.7919	-0.0018	9.5818	1.9356	0.0623	-0.0109	1.9871
201	22.9	23.1	6.7899	2.7918	-0.0017	9.58	1.9557	0.0599	-0.0271	1.9885
202	23.2	23.3	6.7884	2.7915	-0.0015	9.5784	1.965	0.0696	-0.0252	2.0093
203	23.8	23.6	6.7862	2.7912	-0.0012	9.5762	1.9604	0.0753	-0.0259	2.0098
204	24.6	23.8	6.784	2.7911	-0.001	9.5741	1.9601	0.0743	-0.0254	2.009
205	25	24	6.7816	2.791	-0.001	9.5716	1.9659	0.0642	-0.0228	2.0073
206	26.3	24.2	6.7798	2.7908	-0.0011	9.5696	1.9783	0.0608	-0.0222	2.0168
207	24.3	24.3	6.777	2.791	-0.0011	9.5669	1.9966	0.0557	-0.0229	2.0294
208	24.2	24.5	6.7752	2.7907	-0.0009	9.565	2.0217	0.0529	-0.0249	2.0497
209	25	24.6	6.7741	2.7908	-0.001	9.5638	2.0254	0.0582	-0.0231	2.0605
210	26	24.7	6.7719	2.7906	-0.0011	9.5614	2.046	0.0628	-0.0189	2.0899
211	24.6	24.8	6.77	2.7906	-0.0011	9.5594	2.0469	0.0619	-0.0181	2.0907
212	24.8	24.9	6.7684	2.7903	-0.0013	9.5575	2.0776	0.0593	-0.0185	2.1184
213	25.5	25	6.7665	2.7899	-0.0014	9.5551	2.1057	0.0561	-0.0187	2.1431

214	25.3	25	6.765	2.7898	-0.0015	9.5534	2.1216	0.0622	-0.0229	2.1609
215	25.7	25	6.7637	2.7893	-0.0016	9.5514	2.1312	0.0645	-0.0256	2.1701
216	23.6	25	6.7611	2.7895	-0.0015	9.5491	2.1468	0.0627	-0.0264	2.1831
217	24.6	25	6.7589	2.789	-0.0017	9.5462	2.1538	0.0627	-0.0252	2.1913
218	25	25.1	6.7564	2.7882	-0.0018	9.5429	2.1795	0.0664	-0.0241	2.2218
219	25.3	25.1	6.754	2.7884	-0.0017	9.5406	2.1922	0.0717	-0.0183	2.2456
220	25.2	25.1	6.7523	2.7879	-0.0016	9.5386	2.2218	0.0777	-0.0288	2.2707
221	24.7	25.2	6.7504	2.788	-0.0017	9.5367	2.2321	0.0734	-0.0269	2.2785
222	25.1	25.2	6.7478	2.7886	-0.0017	9.5347	2.2406	0.0762	-0.0261	2.2906
223	24.6	25.2	6.7449	2.7888	-0.0015	9.5321	2.2573	0.0756	-0.0251	2.3078
224	25	25.2	6.7421	2.7883	-0.0014	9.5291	2.2625	0.0698	-0.0252	2.307
225	25.8	25.1	6.739	2.788	-0.0012	9.5258	2.2696	0.0629	-0.0213	2.3112
226	24.8	25.3	6.7366	2.7885	-0.0012	9.5239	2.2746	0.0663	-0.0199	2.321
227	25.4	25.4	6.734	2.7889	-0.0012	9.5217	2.2979	0.0691	-0.0221	2.3449
228	25.7	25.6	6.7313	2.7892	-0.0012	9.5193	2.3237	0.0689	-0.0246	2.3679
229	25.6	25.7	6.7283	2.7891	-0.0013	9.5161	2.335	0.0684	-0.023	2.3804
230	26.5	25.8	6.7261	2.789	-0.0013	9.5137	2.3481	0.0707	-0.022	2.3968
231	25.6	26	6.7239	2.789	-0.0014	9.5115	2.3691	0.0697	-0.0212	2.4177
232	25.4	26.1	6.7215	2.7893	-0.0014	9.5094	2.3734	0.0723	-0.0213	2.4243
233	25	26.4	6.7195	2.7895	-0.0014	9.5076	2.3917	0.0684	-0.0207	2.4394
234	24.8	26.6	6.7171	2.7897	-0.0013	9.5055	2.4056	0.0702	-0.0176	2.4582
235	26.3	26.8	6.7145	2.7899	-0.0014	9.503	2.4228	0.0683	-0.0174	2.4737
236	27.2	26.9	6.7113	2.7892	-0.0014	9.4991	2.4434	0.0666	-0.0192	2.4908
237	28.5	27.1	6.7093	2.7891	-0.0013	9.4971	2.4573	0.0725	-0.0219	2.5078
238	27.2	27.3	6.7066	2.7886	-0.0013	9.4939	2.4797	0.0615	-0.0212	2.52
239	27.8	27.4	6.7033	2.7879	-0.0013	9.49	2.5011	0.0619	-0.0199	2.5431
240	27.4	27.5	6.7015	2.7876	-0.0011	9.488	2.506	0.0609	-0.0173	2.5496
241	28	27.5	6.6995	2.7874	-0.001	9.4859	2.514	0.0679	-0.0207	2.5612
242	29.3	27.7	6.6973	2.7872	-0.0009	9.4837	2.5121	0.0686	-0.0234	2.5573
243	28.8	27.8	6.6951	2.787	-0.0008	9.4813	2.5093	0.0707	-0.0223	2.5578
244	29.2	27.9	6.6931	2.7871	-0.0007	9.4795	2.5124	0.0704	-0.0225	2.5603
245	28.4	28	6.6907	2.7873	-0.0006	9.4775	2.5137	0.0712	-0.023	2.5619
246	28.9	28.1	6.6889	2.7872	-0.0004	9.4757	2.5361	0.0786	-0.0237	2.5911
247	28.2	28.1	6.6855	2.7878	-0.0003	9.473	2.5384	0.0813	-0.025	2.5947
248	28.5	28.2	6.6832	2.7878	-0.0001	9.471	2.5492	0.0793	-0.028	2.6005
249	27.1	28.3	6.6805	2.7883	0	9.4688	2.5603	0.0818	-0.0304	2.6116
250	27.4	28.5	6.6784	2.7885	0.0005	9.4674	2.5822	0.0776	-0.0283	2.6315

251	27.8	28.6	6.6766	2.7877	0.0007	9.465	2.5865	0.0745	-0.0251	2.6359
252	27.6	28.7	6.675	2.7872	0.0007	9.4629	2.5992	0.0788	-0.0231	2.6549
253	27.4	28.8	6.6726	2.7878	0.0005	9.4609	2.6175	0.0811	-0.0215	2.6771
254	27.7	28.9	6.6709	2.7885	0.0003	9.4597	2.6282	0.0773	-0.0177	2.6878
255	29	28.9	6.6681	2.7885	0.0002	9.4569	2.6394	0.0808	-0.0167	2.7035
256	29.1	29.1	6.6647	2.7884	0.0001	9.4532	2.6514	0.0778	-0.0185	2.7106
257	28.1	29.2	6.6606	2.7885	0.0004	9.4494	2.665	0.0742	-0.0182	2.7211
258	30.6	29.3	6.6579	2.7875	0.0003	9.4458	2.6696	0.0789	-0.0161	2.7324
259	30.8	29.6	6.6551	2.7872	0.0001	9.4424	2.681	0.0719	-0.0163	2.7366
260	28.8	29.9	6.6526	2.7875	-0.0001	9.44	2.7091	0.0699	-0.0199	2.7592
261	31.5	30.1	6.6488	2.7875	-0.0002	9.436	2.7023	0.0692	-0.0185	2.7531
262	31	30.4	6.6448	2.7875	-0.0002	9.4321	2.7076	0.0662	-0.0171	2.7567
263	30.4	30.6	6.6419	2.7871	0.0001	9.4291	2.7292	0.0666	-0.0193	2.7764
264	30	30.8	6.6395	2.7869	0.0003	9.4267	2.7471	0.067	-0.0226	2.7915
265	31.7	31	6.6368	2.7872	0.0002	9.4242	2.7714	0.066	-0.0244	2.8131
266	30	31.3	6.634	2.7875	0.0001	9.4216	2.7907	0.0626	-0.0265	2.8267
267	30.8	31.6	6.6301	2.7871	-0.0002	9.417	2.7913	0.0738	-0.0291	2.836
268	32.8	31.8	6.6267	2.7868	-0.0003	9.4132	2.8029	0.0703	-0.0312	2.842
269	32.3	31.9	6.6237	2.7857	-0.0002	9.4092	2.8016	0.058	-0.0329	2.8267
270	32.3	32.2	6.6207	2.7858	-0.0001	9.4064	2.7958	0.0614	-0.0324	2.8249
271	32.8	32.3	6.618	2.7855	0.0001	9.4036	2.8035	0.0567	-0.0316	2.8287
272	31.9	32.4	6.6149	2.7854	0.0003	9.4006	2.8084	0.0581	-0.0324	2.8341
273	32.1	32.5	6.6135	2.7855	0.0002	9.3992	2.8106	0.0632	-0.032	2.8419
274	32.9	32.6	6.6113	2.7857	0.0002	9.3972	2.8223	0.0667	-0.0314	2.8577
275	33.8	32.7	6.6085	2.7858	0.0004	9.3946	2.8348	0.0614	-0.0293	2.8669
276	33.4	32.9	6.6044	2.7856	0.0005	9.3905	2.8264	0.0614	-0.0304	2.8574
277	34.7	33.2	6.6008	2.7854	0.0007	9.3869	2.8385	0.0655	-0.0301	2.8739
278	33.5	33.2	6.5983	2.7857	0.0007	9.3847	2.8422	0.0698	-0.0311	2.8808
279	34.2	33.3	6.596	2.7855	0.0006	9.3821	2.8587	0.0704	-0.0322	2.8969
280	33.5	33.4	6.5934	2.7855	0.0006	9.3795	2.8668	0.0665	-0.034	2.8993
281	32.1	33.5	6.592	2.7857	0.0005	9.3781	2.8692	0.0715	-0.0347	2.906
282	33.3	33.5	6.5883	2.7863	0.0005	9.375	2.8922	0.0777	-0.038	2.9318
283	32.1	33.6	6.585	2.7859	0.0004	9.3713	2.9217	0.0808	-0.0378	2.9647
284	33.2	33.6	6.5817	2.7857	0.0005	9.3679	2.9394	0.0811	-0.0374	2.983
285	34.1	33.5	6.5779	2.7855	0.0005	9.3639	2.9623	0.0797	-0.039	3.0029
286	35.2	33.5	6.5748	2.7849	0.0006	9.3603	2.9842	0.0855	-0.0415	3.0282
287	34.3	33.4	6.5706	2.7852	0.0007	9.3565	2.9999	0.074	-0.0407	3.0332

288	32.6	33.4	6.5667	2.7853	0.0007	9.3527	3.0213	0.0757	-0.0394	3.0576
289	34.8	33.3	6.5643	2.7854	0.0006	9.3503	3.0328	0.0717	-0.0404	3.0641
290	34.1	33.4	6.5613	2.7853	0.0007	9.3473	3.0383	0.0645	-0.0416	3.0611
291	32.8	33.5	6.5593	2.7852	0.001	9.3455	3.0577	0.0614	-0.0413	3.0778
292	33.2	33.5	6.5576	2.785	0.001	9.3436	3.0716	0.0625	-0.0413	3.0928
293	33.4	33.7	6.5551	2.785	0.0009	9.341	3.1054	0.0591	-0.0412	3.1233
294	31.7	33.8	6.5528	2.7853	0.0009	9.339	3.1233	0.0537	-0.041	3.136
295	33.2	33.9	6.5484	2.7849	0.0009	9.3342	3.1402	0.0532	-0.0404	3.153
296	33.2	33.9	6.5458	2.7847	0.0008	9.3313	3.1612	0.0564	-0.0385	3.179
297	32.8	34	6.5425	2.7845	0.001	9.328	3.1886	0.0501	-0.0354	3.2033
298	33.8	34.1	6.5396	2.7844	0.0009	9.3249	3.194	0.0618	-0.0332	3.2227
299	34.2	34.2	6.5358	2.7845	0.0008	9.321	3.2023	0.0621	-0.0291	3.2353
300	34	34.3	6.5331	2.7845	0.0007	9.3182	3.2179	0.0667	-0.0283	3.2562
301	34.7	34.4	6.53	2.7839	0.0006	9.3146	3.246	0.0684	-0.0213	3.293
302	34.4	34.5	6.5267	2.7833	0.0006	9.3107	3.2502	0.0644	-0.0179	3.2967
303	35.6	34.5	6.5234	2.7834	0.0005	9.3074	3.2809	0.0617	-0.0165	3.326
304	35.3	34.7	6.52	2.7831	0.0006	9.3037	3.3109	0.0647	-0.0194	3.3563
305	35.9	34.8	6.5165	2.7832	0.0009	9.3005	3.3135	0.0797	-0.0236	3.3696
306	37.2	34.9	6.5133	2.7834	0.0007	9.2975	3.3304	0.0849	-0.026	3.3893
307	34.3	35.1	6.5101	2.7831	0.0005	9.2937	3.3446	0.0836	-0.0271	3.4011
308	36.4	35.3	6.5071	2.7835	0.0007	9.2914	3.3427	0.0848	-0.0267	3.4009
309	35.6	35.5	6.5032	2.7838	0.001	9.2879	3.3584	0.0732	-0.0288	3.4028
310	35.1	35.7	6.5016	2.7837	0.0007	9.2861	3.3684	0.0706	-0.0291	3.4099
311	34.7	35.8	6.4992	2.7839	0.0006	9.2837	3.383	0.0747	-0.0316	3.4261
312	34.2	36	6.4955	2.7837	0.0007	9.2799	3.3862	0.0769	-0.0328	3.4303
313	33.8	36.1	6.4918	2.7832	0.0009	9.276	3.3821	0.0781	-0.0315	3.4287
314	35.6	36.2	6.4879	2.7832	0.001	9.2721	3.3921	0.0763	-0.0277	3.4407
315	35.9	36.4	6.4846	2.7831	0.0011	9.2687	3.4048	0.0795	-0.0259	3.4584
316	36.8	36.4	6.482	2.7821	0.0014	9.2655	3.4121	0.0841	-0.0262	3.47
317	37.5	36.7	6.4786	2.782	0.0014	9.262	3.4269	0.0898	-0.0277	3.489
318	37.2	36.8	6.4763	2.7824	0.0015	9.2602	3.428	0.0911	-0.0315	3.4875
319	37	37	6.4744	2.7822	0.0015	9.2582	3.4292	0.0918	-0.0329	3.4881
320	37.1	37.1	6.472	2.7822	0.0016	9.2558	3.4324	0.0849	-0.0324	3.4849
321	38.5	37.2	6.4695	2.7822	0.0015	9.2532	3.4319	0.0934	-0.0328	3.4925
322	37.3	37.5	6.4668	2.7823	0.0015	9.2506	3.4418	0.0916	-0.0328	3.5006
323	37.5	37.8	6.4627	2.7821	0.0016	9.2464	3.4613	0.0807	-0.0316	3.5104
324	39.8	38	6.4587	2.7822	0.0015	9.2424	3.5118	0.0772	-0.0378	3.5512

325	37.8	38.2	6.4563	2.7819	0.0018	9.24	3.5292	0.0799	-0.0466	3.5625
326	38.7	38.3	6.4527	2.782	0.0018	9.2365	3.5364	0.0864	-0.0483	3.5745
327	39.3	38.6	6.4498	2.7819	0.0019	9.2336	3.526	0.0827	-0.0467	3.562
328	38.3	38.8	6.4455	2.7821	0.002	9.2296	3.54	0.0823	-0.0447	3.5776
329	38.3	39.1	6.4416	2.7824	0.0021	9.2262	3.5638	0.0848	-0.0496	3.5991
330	36.7	39.4	6.4391	2.7818	0.0021	9.2231	3.5737	0.0807	-0.054	3.6004
331	40.2	39.7	6.4347	2.7813	0.0024	9.2183	3.5934	0.082	-0.057	3.6184
332	38.8	40.1	6.4293	2.7812	0.0024	9.2129	3.6272	0.0821	-0.0565	3.6528
333	39.5	40.5	6.4255	2.7814	0.0023	9.2093	3.6279	0.0887	-0.0537	3.6629
334	39	40.8	6.4209	2.7817	0.0026	9.2052	3.6513	0.0898	-0.0544	3.6866
335	39.7	41.2	6.416	2.7814	0.0028	9.2002	3.6785	0.0889	-0.0551	3.7123
336	42.3	41.6	6.4113	2.7818	0.0027	9.1958	3.6825	0.0886	-0.0559	3.7151
337	41.3	41.9	6.4071	2.7815	0.0026	9.1913	3.6891	0.0852	-0.0568	3.7174
338	42.3	42.4	6.4034	2.7814	0.0027	9.1875	3.6989	0.0916	-0.0598	3.7306
339	43	42.8	6.3995	2.7815	0.0029	9.1839	3.7142	0.0893	-0.0618	3.7417
340	44.5	43.3	6.3957	2.7814	0.0031	9.1802	3.7283	0.0889	-0.0682	3.7491
341	44.7	43.7	6.3923	2.7812	0.0032	9.1767	3.7435	0.0878	-0.0693	3.762
342	45.4	44	6.3868	2.7813	0.0033	9.1713	3.7631	0.084	-0.0697	3.7773
343	44.9	44.3	6.3828	2.7816	0.0033	9.1677	3.7994	0.0819	-0.0711	3.8101
344	45.3	44.9	6.3791	2.7818	0.0033	9.1642	3.838	0.0813	-0.0729	3.8464
345	46	45.4	6.3746	2.7816	0.0033	9.1596	3.8746	0.0812	-0.0716	3.8842
346	46.2	45.6	6.3701	2.7822	0.0031	9.1554	3.8869	0.0758	-0.0698	3.8929
347	46.6	46	6.3661	2.7816	0.003	9.1507	3.9137	0.0737	-0.0697	3.9177
348	47.4	46.3	6.363	2.7816	0.0028	9.1474	3.9368	0.0722	-0.0676	3.9414
349	45.9	46.4	6.3588	2.7816	0.0028	9.1432	3.966	0.0735	-0.0665	3.9731
350	46.8	46.6	6.3538	2.7817	0.0026	9.1381	3.9894	0.0787	-0.0661	4.002
351	44.5	46.8	6.3515	2.7813	0.0025	9.1353	4.0216	0.0848	-0.0671	4.0393
352	46.7	47	6.3469	2.7811	0.0023	9.1303	4.0629	0.0836	-0.0668	4.0796
353	48.9	47.3	6.3416	2.7813	0.0024	9.1253	4.0736	0.0833	-0.0682	4.0888
354	49.1	47.5	6.3396	2.7805	0.0026	9.1227	4.092	0.0891	-0.0724	4.1088
355	47.6	47.6	6.3351	2.78	0.0028	9.1179	4.1163	0.0827	-0.0745	4.1244
356	48.2	47.7	6.3303	2.78	0.0028	9.1131	4.129	0.1016	-0.0734	4.1572
357	47.3	47.7	6.3263	2.78	0.003	9.1093	4.1284	0.0967	-0.0748	4.1504
358	46	47.8	6.3221	2.7802	0.0032	9.1055	4.1435	0.0913	-0.0781	4.1567
359	48.4	47.9	6.3182	2.7802	0.003	9.1014	4.1547	0.0994	-0.0768	4.1774
360	48.9	48.1	6.3143	2.78	0.003	9.0974	4.1876	0.1079	-0.0743	4.2212
361	48.8	48.4	6.3102	2.7798	0.0031	9.093	4.2441	0.1008	-0.0765	4.2684

362	50	48.5	6.3066	2.7796	0.003	9.0892	4.2677	0.1062	-0.0779	4.2961
363	49.5	48.5	6.3027	2.7795	0.0029	9.085	4.3095	0.1011	-0.0762	4.3344
364	47.9	48.5	6.2991	2.779	0.0028	9.0809	4.3445	0.0922	-0.0841	4.3526
365	47.7	48.5	6.2956	2.7787	0.0029	9.0772	4.374	0.0989	-0.0908	4.3821
366	47.3	48.6	6.2913	2.7785	0.0029	9.0727	4.4095	0.1078	-0.0911	4.4262
367	47.8	48.8	6.2873	2.778	0.003	9.0683	4.4608	0.0937	-0.0889	4.4655
368	49.5	49	6.2838	2.7776	0.003	9.0644	4.4733	0.0955	-0.0879	4.4809
369	49.6	49.1	6.2805	2.7772	0.003	9.0607	4.4901	0.1043	-0.0891	4.5053
370	50	49.1	6.2775	2.7764	0.0032	9.0572	4.5151	0.0987	-0.0902	4.5236
371	49.1	49	6.2738	2.7763	0.0034	9.0536	4.5303	0.1008	-0.0921	4.539
372	48.8	48.9	6.2688	2.7774	0.0034	9.0495	4.5671	0.0991	-0.0976	4.5687
373	50	48.7	6.2624	2.7778	0.0039	9.0441	4.5989	0.0987	-0.0986	4.599
374	47.1	48.8	6.2584	2.7777	0.0049	9.0409	4.6089	0.1003	-0.0965	4.6127
375	50.3	49	6.2548	2.7771	0.0052	9.0372	4.6302	0.105	-0.0965	4.6388
376	50.1	49.2	6.2518	2.7773	0.0052	9.0343	4.66	0.1054	-0.093	4.6724
377	51	49.6	6.2468	2.7772	0.0051	9.0292	4.6789	0.1059	-0.0923	4.6926
378	49.7	49.9	6.2419	2.7772	0.0057	9.0248	4.7075	0.1042	-0.0916	4.7201
379	48.5	50.2	6.2386	2.7774	0.006	9.022	4.7359	0.1026	-0.0901	4.7483
380	47.7	50.6	6.234	2.7773	0.0063	9.0176	4.7847	0.1004	-0.1062	4.779
381	46.7	51	6.2293	2.7774	0.0062	9.0129	4.8118	0.0991	-0.1157	4.7952
382	47.3	51.4	6.2255	2.7774	0.0059	9.0087	4.8283	0.1032	-0.1159	4.8156
383	49.9	51.9	6.2199	2.7769	0.0058	9.0026	4.854	0.1011	-0.1153	4.8398
384	50.3	52.3	6.2138	2.7768	0.006	8.9966	4.8767	0.1011	-0.1187	4.859
385	52.2	52.8	6.2096	2.7767	0.0061	8.9924	4.9016	0.1098	-0.1173	4.8941
386	53.9	53.2	6.2059	2.7763	0.0063	8.9886	4.9024	0.1078	-0.1159	4.8943
387	56.9	53.6	6.2007	2.7761	0.0067	8.9834	4.9171	0.1134	-0.1174	4.9131
388	55.1	54.1	6.1953	2.7764	0.0069	8.9785	4.9429	0.1166	-0.1172	4.9423
389	56.8	54.8	6.1915	2.7765	0.0074	8.9754	4.9961	0.1177	-0.1185	4.9953
390	56.2	55.5	6.1869	2.7765	0.0077	8.9711	5.0198	0.1158	-0.1195	5.0161
391	57.7	56.4	6.183	2.7768	0.008	8.9677	5.0396	0.1144	-0.1185	5.0355
392	57.9	57.1	6.1777	2.7768	0.0081	8.9626	5.07	0.1174	-0.1155	5.0718
393	55.3	57.7	6.1713	2.7768	0.0082	8.9563	5.0711	0.1209	-0.1133	5.0786
394	59.3	58.4	6.1654	2.7771	0.0081	8.9506	5.0798	0.1197	-0.1116	5.0879
395	59	59.1	6.1597	2.7773	0.0079	8.9449	5.0826	0.1192	-0.1092	5.0925
396	58.9	59.5	6.1544	2.7773	0.0078	8.9395	5.1036	0.1188	-0.1106	5.1117
397	59.1	59.8	6.1489	2.7773	0.0078	8.9339	5.1317	0.1209	-0.1142	5.1385
398	60.9	60.3	6.143	2.777	0.0076	8.9276	5.1562	0.1133	-0.118	5.1515

399	61.4	60.7	6.1369	2.7766	0.0074	8.9208	5.1927	0.1156	-0.1225	5.1857
400	63.4	61.1	6.1309	2.776	0.0074	8.9143	5.1951	0.1182	-0.1237	5.1895
401	60.9	61.5	6.1237	2.7756	0.0073	8.9066	5.1952	0.1298	-0.1268	5.1982
402	61.2	61.9	6.1193	2.775	0.0075	8.9018	5.2393	0.1251	-0.1272	5.2372
403	63.7	62.4	6.1142	2.7745	0.0078	8.8965	5.2799	0.1186	-0.1299	5.2686
404	66	62.7	6.1084	2.7748	0.0081	8.8913	5.2584	0.1222	-0.1289	5.2517
405	61.7	63	6.1036	2.773	0.0082	8.8848	5.3042	0.1189	-0.1299	5.2931
406	62	63.3	6.1005	2.7737	0.0082	8.8824	5.3244	0.1156	-0.1303	5.3096
407	64.2	63.7	6.0957	2.774	0.0083	8.878	5.3403	0.1143	-0.1335	5.3211
408	64.2	64.1	6.0917	2.7736	0.0084	8.8736	5.373	0.1115	-0.1371	5.3474
409	63.7	64.7	6.0844	2.773	0.0084	8.8658	5.3982	0.1117	-0.1377	5.3721
410	66.2	65.2	6.0772	2.7736	0.0084	8.8592	5.4193	0.1089	-0.1393	5.3889
411	64.9	65.5	6.0725	2.7733	0.0084	8.8541	5.4397	0.101	-0.1385	5.4022
412	64.8	65.9	6.0645	2.7736	0.0083	8.8464	5.4738	0.1	-0.1393	5.4345
413	64.4	66.4	6.0574	2.774	0.0093	8.8407	5.5005	0.0967	-0.1395	5.4576
414	64.9	66.8	6.0505	2.7733	0.01	8.8339	5.5125	0.1005	-0.1414	5.4716
415	66	67.3	6.0436	2.7723	0.0102	8.8261	5.5466	0.0851	-0.1405	5.4912
416	65.8	67.7	6.0359	2.7727	0.0103	8.8189	5.5835	0.0818	-0.1397	5.5255
417	69	67.9	6.0313	2.7724	0.0102	8.8139	5.6166	0.0737	-0.1404	5.5499
418	72.6	68.3	6.0272	2.772	0.0104	8.8097	5.621	0.0674	-0.1396	5.5488
419	72	68.8	6.0229	2.7724	0.0105	8.8058	5.6516	0.066	-0.138	5.5797
420	66.8	69.2	6.019	2.7721	0.0108	8.8019	5.6869	0.0664	-0.1378	5.6154
421	69.8	69.8	6.0128	2.7723	0.0113	8.7964	5.7305	0.0608	-0.1377	5.6536
422	72.1	70.3	6.0069	2.7724	0.0114	8.7907	5.7582	0.0627	-0.1358	5.6851
423	74.6	70.8	6.0018	2.7721	0.0113	8.7851	5.7821	0.0773	-0.1431	5.7163
424	70.8	71.4	5.9956	2.7717	0.0111	8.7785	5.7731	0.0837	-0.1396	5.7171
425	69	71.9	5.9903	2.7714	0.0111	8.7728	5.7967	0.0808	-0.1308	5.7467
426	68.4	72.4	5.9849	2.7714	0.011	8.7673	5.832	0.0801	-0.1308	5.7813
427	71.5	72.6	5.979	2.7715	0.0111	8.7616	5.857	0.0797	-0.129	5.8077
428	73.9	72.7	5.9719	2.7719	0.011	8.7548	5.8647	0.0814	-0.1299	5.8162
429	74.4	72.9	5.9632	2.7724	0.0127	8.7483	5.8813	0.0916	-0.1254	5.8474
430	74.6	73.4	5.958	2.7719	0.0137	8.7436	5.9093	0.0978	-0.1214	5.8857
431	75.4	73.9	5.9518	2.771	0.014	8.7368	5.9314	0.0963	-0.1174	5.9103
432	74.4	74.2	5.9439	2.7711	0.0139	8.7289	5.9384	0.1022	-0.117	5.9236
433	75.7	74.2	5.9379	2.7713	0.0142	8.7234	5.9751	0.1021	-0.1194	5.9577
434	75.5	74.7	5.9307	2.7708	0.0143	8.7158	5.9854	0.1007	-0.1223	5.9639
435	74.7	75.3	5.9258	2.7706	0.0144	8.7107	5.9991	0.104	-0.1209	5.9822

436	72.6	75.8	5.9196	2.7705	0.0144	8.7045	5.996	0.104	-0.1192	5.9808
437	75.3	76.2	5.9128	2.7699	0.0144	8.6971	6.0201	0.103	-0.1194	6.0036
438	76	76.6	5.9038	2.7696	0.0146	8.688	6.0295	0.1034	-0.1205	6.0124
439	76.5	76.9	5.8975	2.7699	0.0148	8.6823	6.0345	0.111	-0.1272	6.0183
440	77.8	77.1	5.8918	2.77	0.0149	8.6767	6.054	0.1155	-0.1217	6.0478
441	78.1	77.3	5.8853	2.7694	0.0147	8.6695	6.0793	0.1122	-0.1192	6.0723
442	75.1	77.7	5.8797	2.7692	0.0146	8.6635	6.1115	0.114	-0.1169	6.1086
443	80.5	77.9	5.8748	2.7696	0.0145	8.6589	6.1081	0.1193	-0.1146	6.1128
444	79.6	78	5.8709	2.7699	0.0142	8.6549	6.1009	0.122	-0.1106	6.1123
445	78.7	78.3	5.8643	2.7698	0.0144	8.6484	6.1019	0.1281	-0.1114	6.1186
446	79.6	78.7	5.8569	2.7701	0.0145	8.6416	6.1154	0.132	-0.1142	6.1331
447	81.2	79.1	5.8505	2.7702	0.0148	8.6356	6.1173	0.1336	-0.1119	6.139
448	80.6	79.3	5.8438	2.77	0.0151	8.6289	6.1053	0.1384	-0.1114	6.1322
449	78.3	79.6	5.8392	2.7698	0.0152	8.6242	6.0811	0.1299	-0.113	6.098
450	79.2	79.7	5.8342	2.7687	0.0153	8.6182	6.0201	0.1244	-0.1159	6.0286
451	80.4	79.9	5.8276	2.7688	0.0152	8.6116	5.9627	0.1226	-0.1182	5.9671
452	79.7	79.9	5.8189	2.7692	0.0153	8.6034	5.9363	0.1244	-0.1219	5.9389
453	77.7	79.8	5.8157	2.7691	0.0153	8.6001	5.953	0.1207	-0.123	5.9507
454	80.3	79.5	5.8091	2.7687	0.0156	8.5934	5.9681	0.1156	-0.121	5.9628
455	81.1	79.6	5.8027	2.7685	0.0158	8.587	5.9772	0.1187	-0.1181	5.9778
456	82	79.6	5.7962	2.7686	0.0162	8.581	6.0006	0.0995	-0.1143	5.9858
457	80.5	79.6	5.789	2.7688	0.0168	8.5746	6.0329	0.1071	-0.1198	6.0202
458	81.9	79.7	5.7823	2.769	0.017	8.5683	6.0455	0.1049	-0.124	6.0264
459	79.3	79.9	5.7763	2.7693	0.0169	8.5625	6.0649	0.1028	-0.1238	6.0438
460	81.4	79.8	5.7704	2.7699	0.0169	8.5572	6.0657	0.0975	-0.1233	6.04
461	76.8	79.8	5.7628	2.7698	0.017	8.5495	6.0747	0.1073	-0.1247	6.0573
462	78.5	79.7	5.7565	2.77	0.0169	8.5434	6.0815	0.1084	-0.126	6.0639
463	73.6	79.8	5.7514	2.7694	0.017	8.5379	6.0626	0.1143	-0.125	6.0519
464	80.7	79.7	5.7444	2.7705	0.0169	8.5318	6.061	0.1173	-0.1133	6.065
465	79.9	79.8	5.7372	2.7706	0.0168	8.5246	6.065	0.1102	-0.1056	6.0697
466	80.6	79.8	5.7296	2.7711	0.0169	8.5177	6.0512	0.1024	-0.105	6.0486
467	81.7	79.6	5.7252	2.7712	0.017	8.5134	6.0417	0.1064	-0.1041	6.044
468	82	79.7	5.7186	2.771	0.0168	8.5064	6.0604	0.1099	-0.1329	6.0375
469	78.2	79.9	5.7118	2.7706	0.0168	8.4992	6.0794	0.1133	-0.136	6.0567
470	79.8	80	5.7045	2.7704	0.017	8.4918	6.0956	0.1199	-0.1352	6.0803
471	77.4	80.4	5.698	2.77	0.017	8.4851	6.0976	0.12	-0.1353	6.0823
472	80.8	80.7	5.6905	2.7696	0.0177	8.4779	6.0966	0.1232	-0.1311	6.0887

473	78.9	81.3	5.685	2.7694	0.0179	8.4724	6.0911	0.1196	-0.1294	6.0814
474	81.3	81.6	5.6787	2.7696	0.0179	8.4663	6.1068	0.1111	-0.1305	6.0875
475	82.6	81.8	5.6717	2.7691	0.0183	8.4591	6.1187	0.1089	-0.1315	6.0961
476	77.8	82.1	5.6661	2.7693	0.0181	8.4535	6.1286	0.1066	-0.1312	6.104
477	82.5	82.3	5.6604	2.769	0.0181	8.4475	6.122	0.1062	-0.1317	6.0965
478	82.7	82.2	5.6538	2.768	0.0182	8.44	6.1271	0.1126	-0.1284	6.1112
479	83.9	82.5	5.6477	2.7677	0.0181	8.4335	6.1122	0.1261	-0.1278	6.1106
480	85.1	82.7	5.6409	2.7677	0.018	8.4266	6.0994	0.1424	-0.1117	6.1301
481	83.6	82.9	5.6354	2.7672	0.0179	8.4205	6.1047	0.1443	-0.1009	6.1481
482	85	83.1	5.628	2.7672	0.0178	8.4129	6.1018	0.1543	-0.0981	6.158
483	87.4	83.3	5.6213	2.7668	0.0181	8.4062	6.0697	0.176	-0.0985	6.1472
484	83.8	83.3	5.6139	2.7664	0.0181	8.3984	6.0309	0.212	-0.0944	6.1485
485	86.3	83.2	5.61	2.7663	0.018	8.3943	5.9727	0.2623	-0.0936	6.1414
486	84.5	83.5	5.6039	2.766	0.0182	8.3882	5.9275	0.328	-0.0933	6.1621
487	79.9	83.6	5.5978	2.7657	0.0187	8.3822	5.8665	0.419	-0.0929	6.1926
488	83.3	83.6	5.5918	2.7653	0.0196	8.3767	5.7892	0.4552	-0.0943	6.1501
489	83.8	83.6	5.5861	2.7649	0.0196	8.3707	5.668	0.5534	-0.0921	6.1294
490	82.2	83.7	5.579	2.7653	0.0196	8.3639	5.5892	0.649	-0.0917	6.1465
491	83.7	83.8	5.5718	2.7654	0.0197	8.3569	5.5267	0.7304	-0.0954	6.1617
492	82.6	83.8	5.5669	2.7649	0.0196	8.3513	5.4536	0.7909	-0.1	6.1444
493	82.7	83.7	5.5612	2.7646	0.0193	8.3451	5.376	0.8684	-0.1015	6.1429
494	79.4	83.8	5.5552	2.7643	0.0192	8.3387	5.3137	0.9586	-0.1018	6.1705
495	85	83.7	5.5482	2.7641	0.0193	8.3316	5.2772	1.0313	-0.1048	6.2037
496	84.2	83.7	5.5427	2.7639	0.019	8.3256	5.198	1.1121	-0.1028	6.2073
497	81.9	83.8	5.5383	2.7634	0.0189	8.3207	5.1095	1.2109	-0.1006	6.2198
498	84	83.8	5.5349	2.7641	0.0189	8.3178	5.0288	1.2922	-0.0986	6.2224
499	86.5	83.8	5.5348	2.7642	0.019	8.318	5.0017	1.343	-0.0988	6.2459
500	85.7	83.9	5.5347	2.7637	0.0192	8.3176	5.0679	1.3571	-0.0983	6.3267
501	85.8	84	5.53	2.7631	0.0195	8.3127	5.0343	1.3305	-0.0982	6.2666
502	84.5	83.8	5.524	2.7629	0.0198	8.3067	5.132	1.3527	-0.1002	6.3846
503	85.5	83.6	5.5174	2.763	0.0199	8.3002	5.0849	1.2958	-0.1018	6.2788
504	85.8	83.6	5.5107	2.7629	0.0199	8.2935	5.0441	1.3662	-0.101	6.3094
505	83.3	83.4	5.5035	2.7631	0.0196	8.2862	4.9672	1.411	-0.0993	6.2789
506	82	83.2	5.4972	2.763	0.0202	8.2804	4.8908	1.473	-0.1	6.2639
507	83.7	83.2	5.4912	2.7635	0.0207	8.2754	4.8508	1.5086	-0.0987	6.2608
508	83	82.8	5.4852	2.7633	0.0208	8.2692	4.795	1.5553	-0.0929	6.2574
509	85.3	82.5	5.4779	2.7632	0.0207	8.2618	4.8095	1.539	-0.0897	6.2588

510	84.6	82.5	5.4698	2.7629	0.0209	8.2535	4.7352	1.6353	-0.1003	6.2703
511	79.2	82.4	5.4643	2.7625	0.021	8.2477	4.6282	1.7799	-0.0985	6.3097
512	79.5	82.3	5.4583	2.7621	0.0208	8.2412	4.541	1.8578	-0.0962	6.3026
513	79.2	82	5.4513	2.7623	0.0206	8.2342	4.494	1.9015	-0.097	6.2985
514	80.7	81.9	5.444	2.7623	0.0206	8.2269	4.4651	1.96	-0.0974	6.3276
515	81.4	82.1	5.4385	2.762	0.0207	8.2212	4.5065	1.9618	-0.1004	6.3679
516	80.7	82	5.4318	2.7621	0.0207	8.2145	4.5329	1.9444	-0.1018	6.3755
517	75.8	82.1	5.4252	2.7614	0.0235	8.2101	4.4361	2.0257	-0.1024	6.3594
518	82.2	82.2	5.4193	2.7607	0.024	8.204	4.3787	2.1161	-0.1039	6.3908
519	85.2	82	5.4134	2.7604	0.024	8.1978	4.3343	2.1536	-0.1032	6.3847
520	83.7	82	5.4092	2.7601	0.0243	8.1936	4.2918	2.2134	-0.101	6.4043
521	81.9	82.2	5.4032	2.76	0.0244	8.1875	4.2775	2.2601	-0.0961	6.4416
522	81.2	82.6	5.3978	2.7605	0.0243	8.1825	4.3022	2.2104	-0.0959	6.4167
523	84.1	83	5.3911	2.761	0.0243	8.1764	4.1886	2.296	-0.0886	6.396
524	85.5	83.4	5.3838	2.7608	0.0243	8.1689	4.2459	2.3031	-0.0881	6.4609
525	81.9	83.8	5.3775	2.7607	0.0242	8.1624	4.1227	2.4112	-0.0897	6.4442
526	84.7	84.1	5.3727	2.7608	0.0242	8.1576	4.0311	2.4818	-0.0865	6.4264
527	84	84.9	5.3663	2.7602	0.0239	8.1505	3.9937	2.5363	-0.0834	6.4466
528	81.5	85.1	5.3606	2.7593	0.0238	8.1437	4.023	2.518	-0.0788	6.4622
529	85.3	85.1	5.3532	2.7582	0.0239	8.1353	3.969	2.5375	-0.0765	6.43
530	83	85.3	5.3475	2.7575	0.0238	8.1288	3.8751	2.6305	-0.0766	6.429
531	87.3	85.6	5.3416	2.7555	0.0238	8.121	3.9725	2.5278	-0.079	6.4213
532	87.7	85.9	5.3369	2.7535	0.0238	8.1142	4.1361	2.3599	-0.0838	6.4121
533	88.1	86	5.3348	2.7501	0.0237	8.1086	4.1641	2.3176	-0.0867	6.395
534	87.4	86.3	5.3335	2.7445	0.0237	8.1016	4.1235	2.3681	-0.0871	6.4045
535	86.9	86.9	5.333	2.7378	0.0237	8.0945	4.0218	2.4335	-0.0839	6.3714
536	91.4	87.2	5.333	2.7286	0.0237	8.0852	4.0883	2.4001	-0.0806	6.4078
537	85.5	87.5	5.3339	2.7244	0.0238	8.0821	3.9742	2.5166	-0.0776	6.4131
538	85.3	88	5.337	2.7143	0.0238	8.075	3.9687	2.5204	-0.0715	6.4176
539	88.8	88.2	5.3386	2.705	0.024	8.0676	4.1766	2.3059	-0.0596	6.4229
540	87.4	88.4	5.3391	2.697	0.0244	8.0605	4.2019	2.2911	-0.0599	6.433
541	85.9	88.5	5.34	2.6904	0.0247	8.055	4.1456	2.3594	-0.0632	6.4418
542	86.9	88.8	5.3421	2.6824	0.0247	8.0492	4.1608	2.3247	-0.0637	6.4218
543	91.1	88.9	5.3434	2.6738	0.0246	8.0418	4.2263	2.2502	-0.063	6.4135
544	92.4	89.1	5.3432	2.6667	0.0247	8.0346	4.1266	2.3321	-0.068	6.3907
545	91.6	89.4	5.3445	2.6586	0.0246	8.0277	4.1287	2.3028	-0.0681	6.3634
546	89	89.5	5.3459	2.649	0.0246	8.0196	4.3049	2.127	-0.064	6.3679

547	90.7	89.9	5.3476	2.641	0.0247	8.0133	4.2197	2.1969	-0.0673	6.3493
548	88.4	90.3	5.3436	2.6357	0.0249	8.0043	4.316	2.1288	-0.0702	6.3746
549	87.8	90.6	5.3325	2.6341	0.025	7.9915	4.2776	2.1739	-0.071	6.3806
550	89.9	90.9	5.3308	2.6357	0.0251	7.9916	4.3561	2.1538	-0.0691	6.4408
551	93	91.5	5.3144	2.6335	0.0252	7.9731	4.3518	2.2041	-0.0641	6.4918
552	89.1	91.8	5.3104	2.6396	0.0255	7.9755	4.4132	2.1662	-0.0599	6.5196
553	91.9	92.1	5.3113	2.6324	0.0254	7.9692	4.4198	2.1496	-0.0574	6.5121
554	93.2	92.2	5.3124	2.6276	0.0256	7.9655	4.4717	2.0928	-0.057	6.5075
555	92.1	92.4	5.3136	2.6212	0.0258	7.9606	4.5049	2.0519	-0.0596	6.4972
556	93	92.7	5.3112	2.6177	0.0261	7.955	4.5779	2.0554	-0.0636	6.5697
557	93.5	93	5.3095	2.6133	0.026	7.9488	4.5894	1.9603	-0.0581	6.4915
558	93.7	93.2	5.3013	2.6151	0.0259	7.9424	4.6236	1.9783	-0.0549	6.547
559	94.8	93.4	5.3028	2.6057	0.027	7.9355	4.5978	1.9566	-0.0544	6.5
560	96.1	93.6	5.3075	2.5919	0.0267	7.9262	4.5451	2.0152	-0.0557	6.5046
561	92.4	93.6	5.3087	2.584	0.0266	7.9193	4.5547	1.9949	-0.055	6.4946
562	97.9	93.8	5.3071	2.5798	0.0266	7.9136	4.4953	2.0304	-0.0603	6.4654
563	94.5	93.9	5.3049	2.5734	0.0267	7.9051	4.4172	2.1256	-0.068	6.4747
564	94.5	94	5.2938	2.5743	0.0269	7.895	4.29	2.2372	-0.0677	6.4595
565	95.5	94.2	5.2839	2.5761	0.027	7.8871	4.122	2.3955	-0.0663	6.4512
566	94.9	94.3	5.286	2.5685	0.0272	7.8817	4.0458	2.4919	-0.0636	6.474
567	93.7	94.3	5.2873	2.5596	0.0273	7.8743	4.0002	2.5075	-0.0621	6.4455
568	91.3	94.3	5.2852	2.5557	0.0271	7.868	3.7929	2.7421	-0.0341	6.501
569	93.4	94.2	5.2826	2.5492	0.0269	7.8588	3.5949	2.9245	-0.0313	6.488
570	92.2	94.2	5.2767	2.5443	0.0266	7.8476	3.4466	3.0382	-0.0344	6.4503
571	92.9	94.2	5.2678	2.549	0.0266	7.8434	3.3964	3.1064	-0.031	6.4718
572	93.6	93.8	5.2717	2.54	0.0266	7.8383	3.5202	2.9705	-0.0314	6.4594
573	95.8	93.6	5.2605	2.5391	0.0267	7.8263	3.7244	2.7782	-0.0311	6.4715
574	96.3	93.5	5.2664	2.5285	0.0269	7.8218	3.4559	3.031	-0.0284	6.4585
575	94.6	93.4	5.2685	2.521	0.0269	7.8164	3.2396	3.2542	-0.027	6.4668
576	94.2	93.2	5.2667	2.5157	0.0264	7.8088	3.1182	3.3656	-0.0285	6.4554
577	93.1	93	5.2581	2.5172	0.026	7.8013	2.9576	3.5716	-0.029	6.5003
578	93.4	92.9	5.2569	2.5143	0.0258	7.797	2.9695	3.523	-0.0318	6.4606
579	95.6	92.7	5.2602	2.5046	0.0258	7.7906	3.0045	3.5388	-0.033	6.5103
580	92.1	92.5	5.2436	2.5149	0.0259	7.7845	2.7963	3.6705	-0.0293	6.4375
581	91.2	92.2	5.2218	2.5312	0.0262	7.7793	2.6371	3.8512	-0.0323	6.4559
582	90.8	91.9	5.2115	2.5354	0.0265	7.7734	2.703	3.7666	-0.0335	6.4361
583	92.1	91.3	5.209	2.53	0.0268	7.7658	3.0607	3.3482	-0.0347	6.3742

584	93.9	90.9	5.2117	2.523	0.0265	7.7613	3.0442	3.4213	-0.04	6.4255
585	90.8	90.2	5.2012	2.5263	0.0261	7.7535	2.8796	3.5942	-0.0384	6.4354
586	90	89.9	5.2065	2.5144	0.026	7.7469	2.7528	3.6834	-0.0352	6.401
587	89.7	89.7	5.2009	2.5137	0.0259	7.7405	2.6516	3.7067	-0.0326	6.3258
588	88.9	89.3	5.1741	2.5347	0.0256	7.7344	2.5133	3.9274	-0.032	6.4087
589	89.1	88.8	5.1659	2.5358	0.0256	7.7274	2.5937	3.8264	-0.032	6.3881
590	86.9	88.5	5.1644	2.5293	0.0259	7.7197	2.9986	3.4108	-0.0328	6.3766
591	87.4	88.2	5.1558	2.5329	0.026	7.7147	2.9487	3.4573	-0.0296	6.3764
592	85.4	88	5.1442	2.5399	0.0259	7.7099	2.971	3.3917	-0.0278	6.3349
593	87.1	87.7	5.1486	2.5314	0.0261	7.706	2.8241	3.5154	-0.0348	6.3048
594	82.8	87.1	5.1423	2.534	0.026	7.7024	2.7902	3.56	-0.0399	6.3103
595	88.6	86.9	5.1177	2.5514	0.0257	7.6948	2.7549	3.5761	-0.0416	6.2895
596	88.2	86.6	5.1207	2.5442	0.0257	7.6907	2.7311	3.5796	-0.0441	6.2667
597	85.6	86.3	5.1067	2.5505	0.0259	7.6832	2.7624	3.5237	-0.0434	6.2426
598	86	85.8	5.1071	2.5467	0.026	7.6798	3.0792	3.2179	-0.0547	6.2424
599	86.2	85.4	5.0992	2.5488	0.0259	7.6739	3.0635	3.2045	-0.0623	6.2057
600	86.9	85.2	5.0995	2.5433	0.0256	7.6684	2.6208	3.5785	-0.063	6.1363
601	86.6	84.8	5.0887	2.5465	0.0255	7.6607	2.5647	3.6716	-0.0639	6.1723
602	85.4	84.5	5.0821	2.548	0.0255	7.6555	2.3528	3.7722	-0.0607	6.0644
603	83.3	84.1	5.0702	2.5537	0.0256	7.6495	2.3931	3.8113	-0.0566	6.1477
604	86.1	84	5.0602	2.5577	0.0259	7.6438	2.3284	3.9002	-0.0526	6.176
605	84.5	83.7	5.0457	2.5575	0.026	7.6292	2.175	4.0668	-0.0479	6.1939
606	84.7	83.4	5.0383	2.567	0.026	7.6313	2.0964	4.1736	-0.0471	6.2229
607	79.6	83.2	5.0288	2.5657	0.0262	7.6207	2.0582	4.2072	-0.045	6.2204
608	82.2	83	5.0254	2.5676	0.0262	7.6192	2.0206	4.2302	-0.0446	6.2062
609	82.4	82.6	5.0233	2.5617	0.0263	7.6114	2.1644	4.0908	-0.0471	6.2081
610	80.1	82.3	5.0143	2.5634	0.0264	7.604	2.2411	4.0089	-0.0389	6.2111
611	79.1	82	5.0148	2.5594	0.027	7.6012	2.3086	3.9252	-0.0441	6.1896
612	80.1	81.9	5.0166	2.5496	0.0276	7.5937	2.7601	3.44	-0.0451	6.155
613	80.7	81.9	5.0223	2.5386	0.0274	7.5883	2.6909	3.4855	-0.0438	6.1325
614	82.5	81.7	5.0318	2.5227	0.0272	7.5818	2.8545	3.2883	-0.0407	6.1021
615	82	81.5	5.0339	2.5129	0.027	7.5738	3.191	2.9104	-0.0389	6.0624
616	82.5	81.4	5.0317	2.5113	0.0269	7.57	3.086	2.9961	-0.0396	6.0425
617	81.2	81.5	5.0459	2.4872	0.0269	7.56	3.1121	2.9938	-0.0384	6.0675
618	78.6	81.5	5.0598	2.4682	0.0271	7.5552	3.2055	2.8793	-0.035	6.0497
619	81.2	81.4	5.0687	2.4566	0.0275	7.5527	3.1699	2.9208	-0.0369	6.0538
620	82.1	81.4	5.0696	2.4495	0.0274	7.5465	3.2051	2.8493	-0.0367	6.0177

621	82.7	81.5	5.0511	2.4629	0.0275	7.5416	3.3202	2.6878	-0.0392	5.9688
622	84.1	81.5	5.0253	2.4826	0.0274	7.5354	3.3009	2.7209	-0.0383	5.9835
623	81.8	81.4	5.0455	2.4579	0.0271	7.5305	3.4258	2.6398	-0.0408	6.0248
624	81.4	81.3	5.0598	2.4354	0.027	7.5222	3.2165	2.7729	-0.0408	5.9486
625	81.6	81.1	5.0656	2.4241	0.0271	7.5169	3.2206	2.7793	-0.037	5.9629
626	82.7	80.9	5.0769	2.4036	0.0271	7.5076	3.2992	2.7023	-0.0379	5.9636
627	82.2	80.9	5.0694	2.4079	0.0271	7.5044	3.3011	2.6852	-0.0423	5.944
628	79.9	80.9	5.0602	2.4054	0.0271	7.4927	3.2487	2.6999	-0.0451	5.9035
629	80.8	80.9	5.0736	2.3911	0.0268	7.4915	3.284	2.6853	-0.0451	5.9243
630	79.9	80.8	5.0838	2.3724	0.027	7.4832	3.3541	2.6221	-0.045	5.9312
631	80.2	80.6	5.0713	2.3789	0.0272	7.4774	3.1947	2.7988	-0.0456	5.9479
632	79.6	80.4	5.0309	2.4187	0.0272	7.4768	2.9734	3.0494	-0.0466	5.9762
633	80.5	80.2	5.0304	2.408	0.0277	7.466	2.8752	3.1388	-0.0469	5.9671
634	78.5	80.1	5.0455	2.3851	0.0275	7.4581	2.8056	3.2112	-0.0423	5.9745
635	78.7	80	5.0578	2.3695	0.0272	7.4544	2.8332	3.189	-0.0431	5.979
636	80.4	79.8	5.0678	2.3579	0.027	7.4527	2.6789	3.3355	-0.0451	5.9693
637	79	79.7	5.0826	2.3316	0.027	7.4412	2.9176	3.1116	-0.0458	5.9834
638	80.6	79.7	5.0776	2.3316	0.027	7.4362	3.12	2.8896	-0.0467	5.9629
639	79.4	79.5	5.0388	2.3639	0.0273	7.43	3.007	3.0234	-0.0521	5.9784
640	80.4	79.4	5.0442	2.3512	0.0274	7.4228	2.9342	3.0889	-0.0526	5.9705
641	79.5	79	5.0429	2.3512	0.0275	7.4216	2.9029	3.1045	-0.0482	5.9592
642	78.7	78.8	5.0596	2.3308	0.0282	7.4187	2.8426	3.1889	-0.0492	5.9823
643	79.7	78.5	5.0644	2.3178	0.0286	7.4108	2.6496	3.3839	-0.0532	5.9803
644	79.9	78.3	5.0677	2.3091	0.0289	7.4056	2.7182	3.3284	-0.0515	5.9951
645	78.6	78.3	5.0713	2.3006	0.0291	7.401	2.7305	3.3354	-0.051	6.0149
646	79.7	78.1	5.0697	2.2967	0.0289	7.3953	2.6069	3.457	-0.052	6.0119
647	79.4	78	5.0397	2.3192	0.0301	7.3891	2.7349	3.3254	-0.0495	6.0109
648	77.5	77.8	5.0372	2.3153	0.0312	7.3837	2.7085	3.3357	-0.0443	6
649	77.8	77.8	5.0704	2.2762	0.0313	7.3779	2.7599	3.3085	-0.0404	6.028
650	73.6	77.9	5.0743	2.2685	0.0315	7.3743	2.7299	3.3458	-0.0395	6.0362
651	74.5	77.8	5.0791	2.2563	0.0313	7.3667	2.8091	3.2814	-0.0423	6.0482
652	76	77.9	5.0711	2.2585	0.0311	7.3608	2.7184	3.3453	-0.0445	6.0192
653	75.1	77.8	5.0785	2.2424	0.0307	7.3516	2.6996	3.4052	-0.0427	6.0621
654	77.4	78	5.0949	2.2209	0.0304	7.3462	2.6432	3.4626	-0.0405	6.0652
655	77.4	78.2	5.1039	2.2038	0.0305	7.3383	2.5767	3.5303	-0.0446	6.0624
656	77	78.3	5.1053	2.197	0.0306	7.3329	2.6176	3.3836	-0.046	5.9552
657	77.4	78.4	5.1074	2.1903	0.0305	7.3282	3.0427	3.0142	-0.046	6.0109

658	78.9	78.6	5.0849	2.2061	0.0306	7.3216	2.9827	3.0235	-0.0493	5.9569
659	81.2	78.7	5.0787	2.2048	0.0309	7.3144	3.0961	2.9705	-0.0533	6.0133
660	78.4	78.9	5.0767	2.1994	0.0312	7.3072	3.1698	2.8489	-0.055	5.9637
661	81.1	79.1	5.0327	2.24	0.0311	7.3038	3.2031	2.7897	-0.0553	5.9374
662	78	79.2	5.0381	2.2313	0.031	7.3003	3.2924	2.7272	-0.0516	5.9681
663	83.3	79.6	5.0195	2.2446	0.0308	7.2949	3.3786	2.6109	-0.0449	5.9446
664	82.6	79.8	4.9747	2.2833	0.0308	7.2887	3.5301	2.494	-0.0453	5.9788
665	81.9	80	4.9753	2.2765	0.031	7.2828	3.6763	2.3353	-0.0474	5.9642
666	81.2	80.3	4.9748	2.2691	0.031	7.275	3.7013	2.2888	-0.0512	5.9389
667	80.5	80.7	4.9668	2.2717	0.0309	7.2693	3.5755	2.4336	-0.0538	5.9553
668	79.3	81	4.9682	2.2636	0.0308	7.2626	3.7748	2.1986	-0.054	5.9194
669	78.5	81.2	4.9621	2.2643	0.0306	7.257	4.0017	1.9972	-0.0487	5.9502
670	78.4	81.6	4.9447	2.2756	0.0305	7.2508	3.9984	2.0515	-0.0453	6.0046
671	77	81.8	4.9377	2.2769	0.0304	7.2451	3.9693	2.0589	-0.0472	5.981
672	82.4	82.3	4.9291	2.2761	0.0307	7.2358	3.9692	2.0918	-0.0559	6.0052
673	82.4	82.5	4.9388	2.2618	0.0308	7.2314	3.7315	2.3242	-0.0741	5.9816
674	80.9	82.8	4.9444	2.2506	0.0306	7.2256	4.5058	1.5886	-0.0805	6.0139
675	81.6	83	4.9386	2.2507	0.0307	7.22	5.227	0.8291	-0.084	5.9721
676	86	83.3	4.9366	2.2472	0.0307	7.2144	5.4278	0.6447	-0.0826	5.9899
677	83.7	83.5	4.9332	2.2473	0.0305	7.211	6.1382	-0.0884	-0.0805	5.9694
678	85.5	83.8	4.9285	2.2457	0.0304	7.2046	6.3811	-0.3403	-0.0834	5.9574
679	85.4	84	4.9247	2.2424	0.0303	7.1975	6.3564	-0.3937	-0.0858	5.8769
680	85	84.4	4.9242	2.235	0.0305	7.1897	6.4723	-0.4219	-0.0848	5.9656
681	88.1	84.9	4.9245	2.2263	0.0309	7.1817	6.4672	-0.4395	-0.0816	5.9461
682	87.9	85.4	4.924	2.2215	0.0312	7.1767	6.279	-0.2404	-0.0789	5.9597
683	86.8	85.8	4.9284	2.2089	0.031	7.1683	5.8427	0.2619	-0.0754	6.0292
684	86.4	86.3	4.9284	2.2041	0.0308	7.1634	5.7167	0.3146	-0.0708	5.9605
685	86.7	86.8	4.9333	2.1927	0.0306	7.1566	6.0744	-0.0537	-0.0744	5.9463
686	85.3	87.2	4.9147	2.2032	0.0306	7.1486	6.4675	-0.3964	-0.0799	5.9912
687	84.3	87.6	4.8889	2.2247	0.0306	7.1442	6.6469	-0.5586	-0.0859	6.0024
688	82.9	87.9	4.8734	2.2323	0.0308	7.1366	6.8854	-0.8592	-0.0879	5.9383
689	86.1	88.2	4.8725	2.2269	0.0309	7.1303	7.2263	-1.1922	-0.0864	5.9478
690	85.8	88.4	4.8741	2.2189	0.0307	7.1238	6.8557	-0.826	-0.084	5.9457
691	90.9	88.6	4.8715	2.214	0.031	7.1165	6.8631	-0.8666	-0.0801	5.9165
692	90.4	88.7	4.8793	2.2015	0.0312	7.1119	6.8194	-0.7665	-0.0768	5.9761
693	90.2	88.9	4.8767	2.1986	0.0312	7.1065	7.0417	-0.9517	-0.0655	6.0245
694	92	88.9	4.8692	2.2005	0.0311	7.1009	7.1632	-1.1087	-0.0609	5.9935

695	93.4	89.1	4.857	2.2057	0.0309	7.0936	7.3011	-1.2382	-0.0637	5.9992
696	91.7	89.1	4.8472	2.2117	0.0307	7.0896	7.3679	-1.2848	-0.0645	6.0186
697	91.3	89.5	4.8359	2.217	0.0303	7.0832	7.448	-1.3252	-0.0666	6.0562
698	89.7	89.9	4.8311	2.2158	0.03	7.077	7.2417	-1.1353	-0.0585	6.0479
699	90.1	89.9	4.8263	2.2142	0.0298	7.0703	7.3283	-1.2492	-0.053	6.0262
700	91.4	90.1	4.8186	2.2152	0.0298	7.0636	7.742	-1.6801	-0.0546	6.0074
701	90.1	90.1	4.8169	2.212	0.0299	7.0588	7.9957	-1.9301	-0.0574	6.0081
702	89.5	89.9	4.8121	2.2075	0.0298	7.0493	8.7234	-2.6606	-0.0629	5.9998
703	87	89.6	4.8059	2.2074	0.0296	7.0429	8.5015	-2.4794	-0.0687	5.9534
704	90.1	89.3	4.8025	2.2047	0.0303	7.0375	8.7424	-2.7627	-0.0797	5.9
705	86.4	89	4.784	2.2192	0.0306	7.0337	9.0165	-3.0072	-0.0866	5.9227
706	91.8	88.8	4.734	2.2656	0.0306	7.0302	9.2471	-3.2542	-0.0874	5.9055
707	89.4	88.5	4.7306	2.2633	0.0311	7.025	9.2624	-3.2741	-0.0923	5.8961
708	87.8	88.6	4.7158	2.2706	0.0315	7.0179	9.3606	-3.3665	-0.0935	5.9005
709	89.6	88.3	4.7064	2.2768	0.0318	7.015	9.1942	-3.1892	-0.0917	5.9134
710	90.2	88.1	4.694	2.2844	0.0319	7.0103	9.1706	-3.1672	-0.0901	5.9133
711	87.3	87.9	4.6855	2.2867	0.0321	7.0044	9.2405	-3.2217	-0.0911	5.9277
712	82.9	88.1	4.6787	2.2885	0.0321	6.9993	9.0042	-2.916	-0.128	5.9601
713	86.1	88.4	4.6693	2.2892	0.0319	6.9904	9.1038	-2.9607	-0.1434	5.9996
714	87.6	88.3	4.6642	2.2892	0.032	6.9854	8.9257	-2.7672	-0.1709	5.9876
715	88	88.6	4.6638	2.284	0.0322	6.9799	8.3422	-2.1697	-0.1706	6.0019
716	87.2	88.5	4.6742	2.268	0.0323	6.9745	8.5121	-2.3392	-0.1676	6.0053
717	90.6	88.5	4.6684	2.2674	0.0323	6.9681	8.5891	-2.4091	-0.1753	6.0047
718	83.7	88.7	4.6596	2.2685	0.032	6.9602	8.654	-2.4525	-0.2006	6.001
719	87.6	88.5	4.6689	2.2514	0.032	6.9523	8.7865	-2.5793	-0.2084	5.9988
720	87.7	88.6	4.6726	2.2436	0.0321	6.9484	8.8421	-2.6106	-0.2126	6.0189
721	92.9	88.9	4.6542	2.2537	0.0331	6.941	8.7612	-2.5355	-0.215	6.0107
722	92.2	89.3	4.6522	2.2502	0.0348	6.9372	8.7265	-2.471	-0.2353	6.0202
723	89.4	89.4	4.5949	2.299	0.0352	6.9291	8.5563	-2.3447	-0.241	5.9705
724	90.6	89.5	4.5371	2.3525	0.0354	6.925	8.6519	-2.4318	-0.2392	5.981
725	91	89.6	4.5229	2.3597	0.0353	6.9179	8.7182	-2.4779	-0.2399	6.0004
726	89.6	89.7	4.4631	2.4125	0.0351	6.9107	8.7167	-2.4363	-0.239	6.0414
727	90.7	89.6	4.4313	2.442	0.0354	6.9087	8.7874	-2.5268	-0.2383	6.0223
728	86.7	89.8	4.4246	2.4448	0.0357	6.905	8.6021	-2.3093	-0.2403	6.0525
729	92.1	90	4.4264	2.4333	0.0353	6.8949	8.5534	-2.2292	-0.2453	6.0789
730	92.8	90	4.4371	2.4163	0.0352	6.8886	8.5228	-2.2253	-0.2488	6.0487
731	89.5	89.8	4.4435	2.4029	0.035	6.8814	8.8229	-2.5627	-0.2481	6.0121

732	89.4	89.4	4.4466	2.3925	0.0348	6.8739	9.1464	-2.8865	-0.2696	5.9903
733	89.5	89.5	4.4587	2.3765	0.0347	6.87	9.2137	-2.893	-0.2884	6.0323
734	89.2	89.4	4.4381	2.3905	0.0349	6.8635	9.3855	-3.0561	-0.2941	6.0352
735	89.3	89.3	4.411	2.4091	0.0352	6.8553	9.543	-3.1918	-0.2996	6.0516
736	88.9	89.1	4.4031	2.4138	0.0355	6.8524	9.7301	-3.3829	-0.3038	6.0434
737	88	88.9	4.3941	2.4175	0.0358	6.8474	9.6726	-3.2754	-0.3369	6.0603
738	90.2	89	4.355	2.4509	0.0356	6.8415	9.5571	-3.1771	-0.3399	6.0401
739	87.2	88.9	4.3532	2.4465	0.0357	6.8354	9.6205	-3.2145	-0.3526	6.0534
740	89.4	88.6	4.3579	2.4379	0.0354	6.8312	9.7812	-3.3494	-0.3563	6.0755
741	84.1	88.5	4.3609	2.4278	0.0352	6.8239	9.871	-3.4317	-0.3666	6.0727
742	91.6	88.4	4.3555	2.426	0.0348	6.8162	9.9274	-3.4971	-0.3667	6.0636
743	89.8	88.2	4.3481	2.4287	0.0347	6.8115	10.0278	-3.5722	-0.3637	6.0919
744	88.9	88.2	4.3375	2.4329	0.0352	6.8057	10.0258	-3.5562	-0.364	6.1056
745	85.8	88.3	4.3346	2.4291	0.0355	6.7991	10.1435	-3.6564	-0.3631	6.124
746	86	88.4	4.3249	2.4292	0.0356	6.7897	10.1068	-3.6331	-0.3619	6.1118
747	88.4	88.5	4.3155	2.4328	0.036	6.7843	10.1412	-3.6128	-0.361	6.1674
748	90.8	88.5	4.3044	2.4402	0.0365	6.7811	10.2793	-3.7603	-0.3644	6.1547
749	87.8	88.6	4.2962	2.4442	0.0368	6.7772	10.4441	-3.9321	-0.3666	6.1454
750	87.3	88.5	4.2748	2.4615	0.0372	6.7735	10.9561	-4.4326	-0.3698	6.1537
751	87	88.8	4.2068	2.5223	0.0376	6.7667	10.811	-4.3149	-0.3728	6.1233
752	85.8	88.6	4.221	2.5064	0.038	6.7654	10.8662	-4.3513	-0.3723	6.1426
753	89.9	88.6	4.2042	2.5187	0.0387	6.7616	11.0099	-4.5097	-0.373	6.1273
754	90.2	88.7	4.1933	2.5216	0.039	6.7539	11.1153	-4.6183	-0.3745	6.1224
755	91.3	89	4.1792	2.5292	0.0393	6.7477	11.257	-4.7906	-0.3693	6.0971
756	90.1	89.4	4.1791	2.5244	0.0398	6.7433	11.3246	-4.8221	-0.3694	6.1331
757	89.7	89.7	4.1714	2.527	0.0399	6.7382	10.979	-4.4483	-0.3717	6.159
758	89	90	4.1655	2.525	0.0398	6.7302	11.3255	-4.6336	-0.3748	6.317
759	87.2	90.3	4.1616	2.5216	0.0399	6.723	11.5188	-4.9362	-0.3811	6.2016
760	90.4	90.6	4.1526	2.5216	0.0403	6.7145	11.6419	-5.0551	-0.38	6.2067
761	87.9	90.9	4.1323	2.5316	0.0439	6.7078	11.4259	-4.832	-0.378	6.2159
762	89.3	91.4	4.1277	2.5274	0.0453	6.7004	11.5605	-4.9063	-0.3758	6.2784
763	90.4	91.7	4.1269	2.5213	0.0479	6.6961	11.7759	-5.1481	-0.3913	6.2364
764	91.9	91.8	4.1404	2.5002	0.0479	6.6886	11.7516	-5.1693	-0.4045	6.1779
765	94.6	91.8	4.1241	2.5104	0.0477	6.6823	11.7855	-5.198	-0.4093	6.1782
766	94.3	92	4.1159	2.5101	0.0485	6.6745	11.8583	-5.2745	-0.4052	6.1787
767	96.1	92.3	4.1014	2.5169	0.0509	6.6692	11.9991	-5.4208	-0.3985	6.1799
768	93.9	92.5	4.0895	2.5215	0.0516	6.6627	12.0322	-5.449	-0.3972	6.1859

769	91.9	92.7	4.0779	2.5254	0.0519	6.6551	12.1006	-5.5525	-0.3996	6.1485
770	92.8	92.9	4.0686	2.5291	0.052	6.6497	12.1183	-5.5655	-0.4068	6.146
771	95.2	93.2	4.0651	2.524	0.0539	6.643	12.1509	-5.5762	-0.4066	6.1681
772	96.3	93.4	4.0735	2.5105	0.0548	6.6388	12.0179	-5.4488	-0.3943	6.1749
773	91.7	93.6	4.0736	2.505	0.0547	6.6333	12.0236	-5.4347	-0.383	6.2059
774	91.8	93.4	4.0725	2.4984	0.0546	6.6255	11.5193	-4.9593	-0.3854	6.1747
775	94.2	93.4	4.0669	2.4944	0.0546	6.6159	10.9532	-4.3806	-0.3867	6.1859
776	94.3	93.2	4.0578	2.4999	0.0545	6.6122	10.8659	-4.3136	-0.3912	6.161
777	93.8	93	4.073	2.4782	0.0546	6.6057	10.3303	-3.7896	-0.3973	6.1434
778	90.4	93.2	4.0732	2.4687	0.0549	6.5967	10.0436	-3.4978	-0.3961	6.1497
779	94.2	93.2	4.0725	2.4649	0.0552	6.5926	10.0695	-3.5051	-0.393	6.1714
780	93.8	93.2	4.0419	2.4913	0.0553	6.5885	10.1702	-3.6742	-0.3947	6.1012
781	93.6	93	4.0098	2.515	0.0579	6.5826	10.3584	-3.9069	-0.3951	6.0565
782	93	92.9	4.0027	2.5108	0.06	6.5735	10.5656	-4.1156	-0.3974	6.0526
783	89.2	93	3.9899	2.5145	0.0604	6.5648	10.6405	-4.254	-0.4039	5.9826
784	93.7	93.2	3.9741	2.5233	0.0608	6.5582	10.8441	-4.4516	-0.4056	5.9869
785	90.8	93.3	3.9603	2.531	0.061	6.5523	10.672	-4.281	-0.4029	5.9881
786	92.4	93.6	3.9475	2.5308	0.0643	6.5425	10.3788	-4.0562	-0.4033	5.9193
787	96.8	93.7	3.9332	2.5424	0.0645	6.5401	10.3622	-4.0272	-0.3958	5.9392
788	92.1	94.2	3.9114	2.5538	0.066	6.5312	10.32	-3.9898	-0.3923	5.9379
789	92.5	94.2	3.8944	2.5619	0.0665	6.5228	10.0301	-3.7029	-0.3948	5.9324
790	91.6	94.5	3.887	2.5621	0.0674	6.5165	10.0466	-3.7264	-0.3922	5.928
791	95.1	94.8	3.8788	2.5637	0.0676	6.5101	10.203	-3.8792	-0.3923	5.9315
792	94.4	94.8	3.8765	2.5587	0.0675	6.5027	10.4792	-4.1178	-0.3933	5.9681
793	95	95.1	3.8742	2.5542	0.0676	6.4959	10.6459	-4.3008	-0.3973	5.9478
794	96.3	95.2	3.8549	2.5662	0.0674	6.4885	10.7702	-4.4333	-0.3962	5.9407
795	99.2	95.5	3.8463	2.569	0.0671	6.4824	10.7058	-4.4221	-0.3916	5.8921
796	96.9	95.8	3.8331	2.573	0.0668	6.4728	10.8174	-4.4613	-0.3861	5.97
797	99.8	95.8	3.808	2.593	0.0668	6.4677	10.7557	-4.5235	-0.382	5.8503
798	94.4	96	3.7867	2.609	0.0667	6.4624	10.6452	-4.4345	-0.3779	5.8327
799	98.6	96.4	3.7306	2.6575	0.0668	6.4549	10.6637	-4.4462	-0.3724	5.8451
800	98.6	97	3.7375	2.6467	0.0671	6.4513	10.7187	-4.4906	-0.3702	5.8579
801	93.5	97.1	3.7303	2.6471	0.0672	6.4446	10.6356	-4.398	-0.3647	5.8729
802	94.4	97.2	3.7111	2.6584	0.0671	6.4366	10.0281	-3.83	-0.3608	5.8374
803	97.3	97.4	3.6944	2.6693	0.0671	6.4307	10.2273	-3.9987	-0.3544	5.8742
804	95.9	97.4	3.6768	2.6838	0.0672	6.4278	10.0246	-3.7855	-0.3448	5.8944
805	97.8	97.3	3.6515	2.7014	0.0675	6.4204	9.88	-3.678	-0.3391	5.8629

806	97.2	97.3	3.6361	2.7104	0.0678	6.4143	9.6214	-3.4497	-0.337	5.8347
807	95.3	97.2	3.598	2.7267	0.0686	6.3933	9.5795	-3.3964	-0.333	5.85
808	101	97.4	3.5639	2.7642	0.0697	6.3978	9.9378	-3.7499	-0.3307	5.8573
809	103	97.4	3.5422	2.7823	0.0698	6.3943	9.9681	-3.8481	-0.3301	5.79
810	97.6	97.4	3.5514	2.7676	0.0697	6.3887	9.8893	-3.804	-0.3335	5.7518
811	96.7	97.6	3.5295	2.7773	0.0697	6.3766	9.7345	-3.6914	-0.3307	5.7124
812	98.7	97.4	3.5011	2.8033	0.0712	6.3756	9.4713	-3.4981	-0.2927	5.6804
813	96.5	97.2	3.4941	2.8061	0.0724	6.3726	9.4754	-3.5646	-0.2807	5.6301
814	95.8	97.2	3.4856	2.809	0.0729	6.3675	9.5393	-3.6286	-0.2564	5.6543
815	97.9	96.7	3.478	2.8114	0.0727	6.3621	9.7455	-3.8557	-0.2587	5.6311
816	97.5	96.6	3.4743	2.8101	0.0721	6.3565	9.6399	-3.7637	-0.2615	5.6147
817	98.4	96.5	3.4652	2.8123	0.072	6.3495	9.5851	-3.7521	-0.2549	5.5781
818	99.1	96	3.4496	2.8238	0.072	6.3453	9.42	-3.6202	-0.2271	5.5727
819	97.4	95.3	3.457	2.808	0.0727	6.3377	9.3682	-3.612	-0.2194	5.5368
820	97	94.9	3.4575	2.8012	0.0728	6.3316	9.1959	-3.4738	-0.2203	5.5018
821	91.2	94.5	3.4524	2.7986	0.0725	6.3236	9.0865	-3.3959	-0.216	5.4746
822	94.6	94.1	3.4498	2.7937	0.0731	6.3166	9.1573	-3.5137	-0.1964	5.4472
823	94.2	93.9	3.443	2.7949	0.0737	6.3117	9.2412	-3.6148	-0.1877	5.4387
824	89.4	93.6	3.4418	2.7905	0.0741	6.3064	9.2503	-3.6032	-0.1905	5.4566
825	94.6	93.1	3.4363	2.791	0.0745	6.3018	9.2816	-3.7127	-0.1926	5.3763
826	93.2	92.6	3.43	2.7914	0.0749	6.2963	9.1398	-3.6255	-0.1915	5.3228
827	92.3	91.8	3.4269	2.7918	0.075	6.2937	9.0207	-3.4982	-0.1954	5.3271
828	89.5	91.1	3.4176	2.7953	0.075	6.2879	9.191	-3.6996	-0.2141	5.2774
829	88.4	90.8	3.4093	2.8007	0.0748	6.2848	9.274	-3.823	-0.2172	5.2337
830	90.1	90.4	3.4012	2.807	0.0747	6.2829	9.317	-3.8863	-0.2108	5.22
831	91.4	90.2	3.3869	2.8145	0.0748	6.2761	9.0862	-3.6598	-0.2044	5.2219
832	91.9	89.9	3.3826	2.8179	0.0752	6.2756	9.0133	-3.5679	-0.1755	5.2699
833	89.5	89.6	3.3743	2.8217	0.0753	6.2713	8.9472	-3.6482	-0.1483	5.1507
834	88.4	89.2	3.3709	2.8186	0.0752	6.2647	8.4437	-3.1756	-0.1493	5.1188
835	88.2	88.6	3.3731	2.8147	0.0755	6.2634	8.173	-2.9265	-0.1494	5.0971
836	83.8	88.2	3.3669	2.8165	0.0751	6.2585	8.133	-2.9068	-0.1462	5.08
837	86.6	87.8	3.3621	2.8165	0.075	6.2536	7.9743	-2.8819	-0.1108	4.9816
838	91	87.5	3.3519	2.8212	0.0751	6.2482	7.7304	-2.6478	-0.1086	4.974
839	89.7	87.2	3.3485	2.8192	0.0749	6.2426	7.4832	-2.4866	-0.0946	4.902
840	87.4	86.8	3.3376	2.8258	0.0746	6.238	7.2861	-2.3379	-0.0901	4.8581
841	89.4	86.3	3.313	2.8396	0.0745	6.2271	7.126	-2.2284	-0.0849	4.8126
842	87.3	85.7	3.2909	2.8561	0.0745	6.2215	7.0095	-2.137	-0.0846	4.7879

843	81.4	85.4	3.2711	2.872	0.0743	6.2174	8.3387	-3.6116	-0.2282	4.4989
844	84.7	85.2	3.267	2.8751	0.0744	6.2165	7.6872	-2.8263	-0.3009	4.5599
845	84.2	85.1	3.2528	2.8752	0.0741	6.2021	6.9786	-2.2188	-0.3018	4.458
846	84.6	85.1	3.2493	2.8815	0.0738	6.2047	6.7788	-2.0339	-0.3048	4.4401
847	85	85	3.251	2.8762	0.0738	6.201	6.5868	-1.9064	-0.3073	4.3732
848	81.8	84.4	3.238	2.8848	0.0737	6.1966	6.2827	-1.6016	-0.3063	4.3748
849	83.2	84	3.2243	2.8933	0.0738	6.1914	5.9974	-1.3347	-0.306	4.3567
850	81.1	83.8	3.2112	2.9013	0.0737	6.1862	5.4287	-0.8304	-0.3043	4.2939
851	81.2	83.4	3.204	2.9053	0.0737	6.183	5.5907	-0.9847	-0.2988	4.3072
852	83.7	83.1	3.1982	2.9063	0.0735	6.178	5.5094	-0.906	-0.2995	4.304
853	85.4	83.1	3.2017	2.8972	0.0731	6.1721	5.3023	-0.7544	-0.3047	4.2432
854	84.8	82.8	3.2053	2.8894	0.0729	6.1676	5.1815	-0.651	-0.3062	4.2244
855	84.1	82.7	3.2171	2.8742	0.073	6.1643	5.11	-0.5583	-0.3197	4.2319
856	85.2	82.5	3.2211	2.8641	0.0731	6.1583	7.5238	-2.1565	-1.0674	4.2998
857	80.2	82.3	3.1776	2.9019	0.0729	6.1524	6.198	-0.8798	-1.1569	4.1613
858	81.7	82.3	3.1687	2.9098	0.0728	6.1512	5.6392	-0.3734	-1.321	3.9447
859	82.8	82.2	3.1727	2.902	0.0732	6.1478	5.1478	0.2287	-1.411	3.9654
860	81.5	82.1	3.1792	2.8907	0.0733	6.1432	4.9288	0.4976	-1.4862	3.9402
861	82.9	82	3.1851	2.8814	0.0732	6.1397	5.063	0.3662	-1.5286	3.9006
862	80.4	81.9	3.1801	2.8838	0.0734	6.1374	4.8606	0.5067	-1.5593	3.808
863	79.8	81.6	3.173	2.8842	0.0735	6.1307	4.7922	0.6002	-1.5612	3.8312
864	81.1	81.3	3.1659	2.8858	0.0738	6.1254	4.6843	0.6936	-1.5315	3.8464
865	81.2	81	3.1601	2.8868	0.0739	6.1208	4.479	0.8519	-1.5305	3.8005
866	82.1	80.6	3.1574	2.8853	0.074	6.1167	4.3474	0.999	-1.5352	3.8111
867	81.3	80.4	3.1594	2.879	0.0736	6.112	4.3385	0.985	-1.5385	3.785
868	81.6	80.2	3.1527	2.8827	0.0736	6.109	4.1799	1.1152	-1.5326	3.7625
869	79.1	79.8	3.1583	2.8727	0.0739	6.1049	3.9987	1.304	-1.5637	3.7389
870	79	79.5	3.1599	2.8687	0.0736	6.1022	3.9584	1.2687	-1.535	3.6921
871	82.4	78.8	3.1493	2.8754	0.0736	6.0983	4.0445	1.1837	-1.5301	3.6981
872	79.6	78.7	3.1494	2.872	0.0735	6.0949	4.0302	1.1615	-1.5323	3.6594
873	79.7	78.4	3.1486	2.8653	0.0738	6.0876	3.9342	1.2143	-1.5405	3.608
874	78.1	78.1	3.1444	2.8696	0.0739	6.0879	3.8501	1.2963	-1.5639	3.5825
875	76.8	77.5	3.153	2.8569	0.0738	6.0836	3.7034	1.3936	-1.529	3.568
876	76.5	77.1	3.1558	2.8497	0.074	6.0795	3.6118	1.4196	-1.4735	3.5579
877	77.2	76.8	3.1539	2.8482	0.076	6.078	3.5809	1.4289	-1.4518	3.558
878	76.1	76.4	3.1458	2.851	0.0766	6.0733	3.588	1.4572	-1.4796	3.5655
879	74.7	76.1	3.1408	2.8536	0.0763	6.0706	3.6375	1.3726	-1.4748	3.5352

880	71	75.8	3.1333	2.8573	0.0757	6.0663	3.6097	1.3792	-1.452	3.5368
881	77.6	75.3	3.1085	2.8717	0.0754	6.0557	3.44	1.5893	-1.469	3.5602
882	74.6	74.8	3.1079	2.8757	0.0748	6.0584	3.2294	1.7337	-1.4598	3.5033
883	75.3	74.4	3.1455	2.8321	0.0754	6.0529	3.1626	1.786	-1.4593	3.4894
884	70.3	74.1	3.1568	2.816	0.0757	6.0485	3.1643	1.7925	-1.4657	3.4912
885	74.4	73.7	3.147	2.8217	0.0756	6.0443	3.2975	1.7681	-1.5731	3.4925
886	74.7	73.3	3.1501	2.819	0.0754	6.0444	3.3199	1.8479	-1.6759	3.4919
887	74.1	72.9	3.1601	2.8072	0.0754	6.0428	3.2838	1.9027	-1.6898	3.4967
888	73.1	72.6	3.1631	2.8025	0.0755	6.041	3.2953	1.9357	-1.7455	3.4855
889	74.2	72.4	3.1658	2.7957	0.0755	6.0369	3.2513	1.965	-1.7555	3.4608
890	72.3	72.3	3.1744	2.7849	0.0759	6.0352	3.2839	1.9186	-1.7573	3.4452
891	71.4	71.9	3.1778	2.7774	0.0761	6.0313	3.2459	1.959	-1.7849	3.42
892	71.7	71.6	3.0426	2.9198	0.0904	6.0528	3.0291	2.1019	-1.7852	3.3458
893	71.7	71.3	3.1054	2.8368	0.0977	6.0399	2.7573	2.3287	-1.7566	3.3294
894	69.4	71.4	3.157	2.788	0.0976	6.0427	2.5701	2.5113	-1.7659	3.3155
895	68.3	71.2	3.1684	2.7724	0.0976	6.0384	2.6236	2.5713	-1.8039	3.391
896	69.6	71.1	3.1744	2.7636	0.0975	6.0355	2.6333	2.4976	-1.8739	3.2569
897	70.7	70.9	3.1797	2.7532	0.0974	6.0303	2.6918	2.4763	-1.8905	3.2776
898	70.8	70.9	3.187	2.7425	0.0973	6.0267	2.7965	2.4043	-1.9091	3.2918
899	69.9	70.9	3.1878	2.7405	0.0972	6.0255	2.7395	2.4301	-1.9203	3.2493
900	69.1	71	3.1784	2.7452	0.097	6.0206	2.5981	2.5065	-1.8802	3.2244
901	69.2	71.2	3.1793	2.7377	0.0971	6.0142	2.4343	2.643	-1.8804	3.1969
902	69.3	71.4	3.1809	2.7339	0.0975	6.0123	2.3436	2.7168	-1.8589	3.2014
903	72.6	71.7	3.1762	2.7344	0.0977	6.0083	2.3559	2.6406	-1.829	3.1674
904	70.7	72.1	3.1658	2.7396	0.0992	6.0046	2.3403	2.6231	-1.8065	3.1569
905	72.7	72.6	2.8991	2.917	0.1743	5.9904	2.3795	2.6115	-1.825	3.166
906	71.1	72.9	3.0163	2.7984	0.1835	5.9981	2.4826	2.4809	-1.8392	3.1242
907	72.6	73.1	3.0341	2.764	0.2007	5.9988	2.5609	2.3583	-1.834	3.0852
908	74	73.4	3.0491	2.7413	0.2108	6.0012	2.1934	2.7244	-1.8661	3.0517
909	75	73.8	3.0493	2.7326	0.2184	6.0003	2.1334	2.802	-1.8766	3.0589
910	74.1	74.2	3.0451	2.731	0.2226	5.9986	2.2585	2.6659	-1.8641	3.0603
911	76.1	74.6	3.0434	2.7267	0.2257	5.9958	2.3689	2.5062	-1.8492	3.0259
912	76.9	75	3.0219	2.7433	0.2273	5.9925	2.3491	2.4951	-1.8241	3.0201
913	76.7	75.4	3.0257	2.7368	0.2255	5.9879	2.2595	2.5631	-1.7958	3.0268
914	78.1	76.1	3.0377	2.7238	0.2259	5.9875	2.2998	2.5053	-1.7909	3.0142
915	76	76.6	3.0432	2.7115	0.2262	5.981	2.2101	2.5116	-1.7533	2.9684
916	74.6	77.2	3.0404	2.7116	0.226	5.978	2.1787	2.5214	-1.7531	2.947

917	76.4	77.4	3.0472	2.7007	0.2253	5.9733	2.1958	2.5231	-1.7744	2.9444
918	77.2	78.1	3.0497	2.6934	0.2283	5.9714	2.4585	2.2502	-1.7828	2.9259
919	76.3	78.3	3.0612	2.6811	0.2262	5.9685	2.5344	2.1661	-1.8009	2.8996
920	76.7	78.7	3.0531	2.6828	0.2258	5.9618	2.518	2.1547	-1.7936	2.8791
921	77	79	3.0494	2.6825	0.2257	5.9576	2.5377	2.1398	-1.7924	2.8851
922	79.7	79.2	3.0564	2.6723	0.2272	5.9558	2.4507	2.2344	-1.8091	2.8761
923	83.9	79.3	3.058	2.6653	0.2301	5.9534	2.4721	2.21	-1.8027	2.8793
924	82.3	79.2	3.0715	2.6512	0.227	5.9496	2.4139	2.2359	-1.7919	2.8579
925	82.4	79.3	3.0751	2.6491	0.2218	5.946	2.3541	2.3077	-1.7828	2.8789
926	77.9	79.3	3.0719	2.6485	0.2201	5.9405	2.484	2.2502	-1.8307	2.9035
927	85.6	79.4	3.0681	2.646	0.223	5.9372	2.6399	2.1854	-1.9595	2.8659
928	79.6	79.4	3.0539	2.658	0.2225	5.9343	2.6043	2.1859	-1.9253	2.8649
929	82.3	79.3	3.0484	2.6628	0.22	5.9311	2.5141	2.2567	-1.9248	2.846
930	81.8	79.3	3.0572	2.6481	0.2216	5.9269	2.5004	2.3017	-1.9355	2.8667
931	79.7	79.2	3.064	2.6411	0.2208	5.9258	2.5858	2.2442	-2.0183	2.8116
932	78.2	78.9	3.0663	2.6393	0.2211	5.9267	2.4887	2.3527	-2.0853	2.7561
933	77.1	78.3	3.0579	2.6424	0.2219	5.9222	2.5633	2.3768	-2.1161	2.824
934	78.2	77.9	3.0411	2.6418	0.2325	5.9154	2.8692	2.0138	-2.0947	2.7883
935	74.8	77.4	3.0411	2.6299	0.2431	5.9142	3.1745	1.6476	-2.0682	2.7539
936	77.7	77.2	3.0385	2.6262	0.2441	5.9088	3.0539	1.8196	-2.1247	2.7488
937	77.3	76.4	3.0325	2.6229	0.2496	5.905	3.0717	1.851	-2.1245	2.7982
938	74.7	76	3.0268	2.6247	0.2507	5.9021	3.1396	1.7903	-2.15	2.7799
939	76.4	75.5	3.0201	2.6273	0.2506	5.8981	3.2671	1.7155	-2.237	2.7456
940	74.7	75.1	3.013	2.6299	0.2531	5.896	3.3814	1.6385	-2.291	2.7289
941	73.9	74.7	3.0101	2.6294	0.253	5.8925	3.4933	1.5195	-2.283	2.7297
942	73.9	74.4	3.0152	2.6232	0.2502	5.8885	3.6029	1.3837	-2.2897	2.6969
943	73.4	74.2	3.0141	2.6209	0.2509	5.8858	2.2135	2.8177	-2.1456	2.8856
944	73.6	73.9	3.0046	2.618	0.2548	5.8774	2.8304	2.0514	-2.0804	2.8014
945	73.6	73.8	2.9895	2.6254	0.2615	5.8764	3.4523	1.5416	-2.1113	2.8826
946	71.7	73.5	2.9802	2.6339	0.2629	5.8769	3.6304	1.4254	-2.2014	2.8545
947	70.9	73.1	2.9714	2.6358	0.2647	5.8719	3.8423	1.4037	-2.2832	2.9628
948	72.6	72.9	2.9641	2.6418	0.2657	5.8716	3.8032	1.4332	-2.309	2.9274
949	73.7	72.5	2.9645	2.6426	0.2618	5.8689	4.0079	1.1162	-2.3146	2.8095
950	73.6	72.3	2.9678	2.637	0.2617	5.8666	3.9555	1.1677	-2.2422	2.881
951	72.8	72	2.9696	2.6337	0.2596	5.8628	3.8498	1.2264	-2.2507	2.8255
952	71.9	71.5	2.9626	2.6422	0.2564	5.8613	3.9362	1.1923	-2.3271	2.8014
953	72.7	71.1	2.9677	2.6349	0.2538	5.8564	4.044	1.1611	-2.4218	2.7833

954	73.4	70.7	2.9673	2.6283	0.2554	5.851	3.9741	1.2399	-2.4495	2.7645
955	71.6	70.2	2.9688	2.6261	0.2569	5.8518	3.8347	1.3242	-2.4026	2.7563
956	70.5	69.8	2.9651	2.6282	0.2565	5.8498	1.1546	3.145	-1.6544	2.6451
957	70.5	69.4	2.9582	2.6295	0.2595	5.8473	2.2915	1.9795	-1.5592	2.7118
958	69	68.9	2.9553	2.6296	0.2605	5.8454	2.3945	1.6699	-1.3246	2.7398
959	69.6	68.4	2.9468	2.6354	0.2596	5.8418	2.5327	1.4723	-1.2273	2.7777
960	69.2	67.9	2.9423	2.6401	0.2583	5.8406	2.563	1.3767	-1.1415	2.7983
961	63.8	67.4	2.9502	2.6319	0.2556	5.8377	2.5628	1.347	-1.0711	2.8387
962	66.9	67.1	2.9542	2.6275	0.253	5.8347	2.5245	1.3154	-1.0444	2.7955
963	65	66.5	2.943	2.6337	0.2526	5.8293	2.3388	1.4511	-1	2.7899
964	64.2	66	2.9449	2.6346	0.2491	5.8286	2.374	1.3802	-1.0008	2.7534
965	63.5	65.6	2.9423	2.6347	0.2492	5.8261	2.4433	1.2865	-0.9705	2.7594
966	64	65	2.9378	2.633	0.2515	5.8223	2.4524	1.2098	-0.9437	2.7185
967	63.9	64.5	2.9135	2.6539	0.2519	5.8194	2.4121	1.2296	-0.9398	2.7019
968	64.3	64.1	2.8993	2.6661	0.2537	5.8191	2.4916	1.1455	-0.9318	2.7053
969	63.1	63.8	2.9065	2.6573	0.2533	5.817	2.9438	0.7039	-0.9543	2.6934
970	64.3	63.5	2.9062	2.6547	0.2528	5.8137	3.0803	0.5796	-0.9393	2.7206
971	65	63.5	2.9043	2.652	0.2545	5.8107	2.9246	0.7101	-0.935	2.6997
972	62.3	63.4	2.9021	2.651	0.2538	5.807	2.9537	0.6999	-0.9829	2.6708
973	64	63.4	2.9072	2.6417	0.253	5.8019	3.0224	0.6433	-0.9777	2.6881
974	62.3	63.4	2.909	2.6389	0.2521	5.8	3.0494	0.5486	-0.9154	2.6826
975	60.7	63.5	2.9046	2.6319	0.2568	5.7933	3.2622	0.3355	-0.9279	2.6698
976	61	63.3	2.8918	2.6311	0.27	5.7929	3.2699	0.3537	-0.9707	2.6529
977	61.3	63.3	2.8934	2.6296	0.2685	5.7915	3.2043	0.386	-0.9887	2.6016
978	63.4	63.2	2.8944	2.6253	0.2691	5.7887	3.1941	0.3715	-0.9894	2.5762
979	63.7	63.2	2.8907	2.6234	0.2698	5.7839	3.0552	0.4903	-0.9767	2.5687
980	64.1	63.1	2.8747	2.6328	0.2776	5.7851	2.9353	0.5865	-0.9715	2.5504
981	63.7	63	2.8596	2.6365	0.2839	5.78	3.0327	0.4769	-0.9996	2.5099
982	66	63	2.8516	2.638	0.2864	5.776	2.9299	0.569	-0.9656	2.5333
983	64.2	62.9	2.8586	2.6307	0.2848	5.7741	2.968	0.5238	-0.9297	2.5622
984	64.1	62.8	2.8394	2.6512	0.2825	5.7731	2.9043	0.6073	-0.9758	2.5357
985	61.9	62.9	2.8416	2.6397	0.2881	5.7694	2.8457	0.5747	-0.8844	2.536
986	62.5	62.9	2.8429	2.6339	0.2878	5.7646	2.8456	0.4499	-0.7844	2.511
987	62.5	62.8	2.8462	2.6282	0.2904	5.7648	2.9499	0.3015	-0.7412	2.5102
988	63	62.6	2.8364	2.6309	0.2992	5.7665	3.0738	0.1599	-0.7039	2.5298
989	62.8	62.4	2.8276	2.6318	0.3046	5.764	2.9118	0.2964	-0.7099	2.4982
990	63.3	62.2	2.8251	2.633	0.3042	5.7622	2.8664	0.3087	-0.713	2.4621

991	63	62	2.8175	2.6391	0.3051	5.7616	2.8654	0.229	-0.6404	2.454
992	61.1	61.8	2.8213	2.6381	0.3049	5.7643	2.8923	0.1688	-0.6828	2.3783
993	61.5	61.6	2.8224	2.6317	0.3057	5.7598	2.903	0.1515	-0.6552	2.3993
994	62.3	61.5	2.8118	2.6339	0.3087	5.7544	3.2903	-0.2572	-0.6303	2.4028
995	59.8	61.4	2.8054	2.6299	0.3177	5.753	3.0861	-0.1761	-0.5713	2.3387
996	60.6	61.2	2.7902	2.6233	0.3258	5.7392	2.8324	0.0095	-0.5	2.3418
997	59.3	61.2	2.7994	2.6098	0.3283	5.7375	2.7203	0.1833	-0.5213	2.3823
998	60.7	61.2	2.7862	2.6309	0.3288	5.7458	2.6591	0.2618	-0.562	2.3589
999	60.2	61.1	2.7922	2.6237	0.3215	5.7374	2.5714	0.3579	-0.5747	2.3545
1000	59.7	61	2.7934	2.6225	0.3221	5.738	2.5467	0.429	-0.616	2.3597
1001	61	60.9	2.7857	2.6185	0.3298	5.734	2.3403	0.6238	-0.6077	2.3564
1002	60.7	60.9	2.7765	2.6177	0.3397	5.7339	2.3948	0.5273	-0.586	2.3361
1003	62	60.8	2.7788	2.6104	0.3426	5.7318	2.4442	0.4986	-0.5946	2.3482
1004	60.6	60.8	2.7824	2.6072	0.3395	5.729	2.5203	0.4259	-0.6317	2.3146
1005	59	60.9	2.7837	2.6025	0.3397	5.7259	2.5624	0.3026	-0.579	2.286
1006	61.5	60.9	2.7872	2.6004	0.3394	5.727	2.5704	0.2782	-0.5571	2.2916
1007	63.4	61	2.7946	2.597	0.3332	5.7248	2.8613	0.0032	-0.5729	2.2917
1008	61.6	60.9	2.7958	2.5941	0.3335	5.7234	2.5566	0.268	-0.5659	2.2587
1009	61.8	60.8	2.793	2.5949	0.3326	5.7205	2.5141	0.2944	-0.5566	2.252
1010	60.2	60.8	2.7888	2.5963	0.3297	5.7148	2.4328	0.3575	-0.5539	2.2364
1011	60.6	60.6	2.791	2.5951	0.3301	5.7162	2.3651	0.4255	-0.545	2.2456
1012	60.4	60.5	2.788	2.5982	0.3273	5.7135	2.4425	0.3429	-0.5555	2.2299
1013	61.9	60.4	2.7883	2.5987	0.3256	5.7126	2.4943	0.2782	-0.5607	2.2118
1014	62.7	60.2	2.7934	2.5952	0.323	5.7116	1.5605	1.1647	-0.5737	2.1514
1015	60.2	60.2	2.798	2.5905	0.3206	5.7091	1.1581	1.65	-0.6179	2.1902
1016	60.8	59.9	2.7992	2.5886	0.32	5.7078	1.0696	1.7201	-0.6156	2.1741
1017	59.1	59.5	2.7981	2.5862	0.3185	5.7027	0.978	1.7637	-0.5707	2.171
1018	57.2	59.3	2.7553	2.623	0.3238	5.7021	0.7262	2.0025	-0.5576	2.1711
1019	59.9	59.1	2.7532	2.6231	0.3201	5.6964	0.5801	2.1314	-0.524	2.1875
1020	56.9	58.9	2.7606	2.6118	0.3193	5.6918	0.64	2.0947	-0.5374	2.1973
1021	60.4	58.7	2.754	2.6125	0.324	5.6905	0.5788	2.179	-0.5516	2.2061
1022	59.3	58.4	2.7541	2.6079	0.3249	5.687	0.6612	2.0664	-0.5146	2.2129
1023	57.3	58.1	2.753	2.6104	0.3217	5.6851	0.6605	2.0412	-0.486	2.2158
1024	58	57.6	2.7452	2.6176	0.3198	5.6826	0.754	1.9035	-0.4694	2.1881
1025	56.4	57.3	2.7481	2.6137	0.3189	5.6807	0.7604	1.8797	-0.4493	2.1909
1026	56.5	57	2.7515	2.6099	0.3189	5.6804	0.709	1.8149	-0.3863	2.1376
1027	56.8	56.9	2.7487	2.6089	0.322	5.6795	0.6086	1.8035	-0.2519	2.1601

1028	58	56.8	2.7483	2.609	0.3201	5.6775	0.6925	1.7495	-0.2702	2.1718
1029	55.9	56.7	2.7548	2.6041	0.3171	5.6761	0.7434	1.6746	-0.2669	2.1511
1030	56.8	56.7	2.754	2.6004	0.3216	5.6759	0.7814	1.6159	-0.2931	2.1042
1031	56.1	56.5	2.771	2.5842	0.3173	5.6725	0.6103	1.7324	-0.2068	2.1359
1032	55.6	56.4	2.7695	2.5869	0.3141	5.6705	0.4502	1.7535	-0.1199	2.0838
1033	53.8	56.3	2.7674	2.5817	0.3195	5.6686	0.4567	1.7641	-0.1685	2.0523
1034	53.8	56.1	2.7565	2.5843	0.321	5.6618	0.5386	1.6622	-0.168	2.0328
1035	54.8	56	2.7566	2.5849	0.3216	5.6631	0.4778	1.7544	-0.1884	2.0438
1036	57.4	55.9	2.7435	2.5961	0.3182	5.6578	0.6661	1.528	-0.1604	2.0337
1037	56.4	55.8	2.7252	2.607	0.3199	5.6521	0.6908	1.4826	-0.167	2.0064
1038	56.8	55.7	2.7356	2.595	0.3217	5.6523	0.6958	1.4466	-0.1107	2.0317
1039	56.8	55.7	2.7335	2.5964	0.3219	5.6519	0.586	1.489	-0.0003	2.0747
1040	57	55.7	2.7265	2.607	0.3172	5.6506	0.5013	1.5253	0.0415	2.068
1041	58.4	55.7	2.7209	2.6126	0.3213	5.6547	0.5435	1.5215	-0.007	2.058
1042	54.6	55.7	2.7249	2.6081	0.3157	5.6486	0.4594	1.5826	0.0144	2.0564
1043	54.6	55.7	2.685	2.6466	0.314	5.6456	0.4893	1.595	0.0214	2.1058
1044	54.5	55.7	2.696	2.6356	0.3119	5.6435	0.5586	1.5013	0.0183	2.0783
1045	54.6	55.7	2.7063	2.6245	0.3115	5.6423	0.5002	1.5278	0.0314	2.0595
1046	54	55.6	2.7081	2.6156	0.315	5.6387	0.4641	1.489	0.118	2.0711
1047	56.9	55.5	2.7055	2.6096	0.3209	5.636	0.3318	1.3919	0.2338	1.9575
1048	55.5	55.5	2.7069	2.606	0.3232	5.6362	0.4411	1.2329	0.2764	1.9504
1049	56.2	55.3	2.7098	2.5997	0.3234	5.633	0.3887	1.4279	0.2424	2.059
1050	56.8	55.2	2.7338	2.5746	0.3225	5.6309	0.6791	1.1665	0.1477	1.9933
1051	56.5	55	2.7301	2.5809	0.3182	5.6292	0.8337	1.0555	0.16	2.0491
1052	53.8	55	2.7182	2.5924	0.3158	5.6264	0.8202	0.9911	0.2315	2.0428
1053	53.7	55.1	2.7157	2.5923	0.3169	5.625	0.7632	0.9384	0.3219	2.0235
1054	54.6	55.2	2.7111	2.598	0.3133	5.6224	0.792	0.8508	0.3732	2.016
1055	54.4	55.2	2.7118	2.5983	0.3126	5.6227	0.8589	0.8023	0.3571	2.0183
1056	54.9	55.3	2.6789	2.6279	0.3138	5.6206	0.802	0.8562	0.3619	2.0201
1057	56.4	55.3	2.7026	2.6027	0.3161	5.6214	0.911	0.7768	0.3495	2.0373
1058	53.9	55.4	2.7039	2.6001	0.3161	5.6202	1.0291	0.7321	0.2857	2.047
1059	53.9	55.3	2.7035	2.5996	0.315	5.6182	1.013	0.7307	0.309	2.0527
1060	55.1	55.3	2.7058	2.5975	0.3128	5.6161	1.084	0.7589	0.2182	2.0611
1061	55.2	55.3	2.706	2.5976	0.3111	5.6147	1.1553	0.8167	0.0519	2.0239
1062	55.9	55.4	2.7048	2.5997	0.309	5.6135	1.1525	0.8425	0.0287	2.0237
1063	55.8	55.5	2.7869	2.5172	0.31	5.6141	1.1314	0.8743	0.0048	2.0104
1064	55.3	55.6	2.8291	2.4696	0.3109	5.6096	1.1173	0.9048	-0.005	2.0171

1065	56.5	55.7	2.8353	2.4627	0.3107	5.6087	1.1779	0.8653	-0.0114	2.0318
1066	56.4	55.7	2.84	2.4566	0.3086	5.6052	1.2941	0.8236	-0.0387	2.0791
1067	57.2	55.6	2.8409	2.4537	0.3077	5.6023	1.2638	0.8198	-0.0591	2.0245
1068	54.7	55.5	2.8412	2.453	0.3061	5.6003	1.2025	0.8621	-0.0659	1.9986
1069	55.8	55.5	2.8425	2.4478	0.307	5.5973	0.779	1.2368	-0.0137	2.0021
1070	57.2	55.3	2.8483	2.4368	0.308	5.5931	0.8226	1.1844	-0.0269	1.9801
1071	55.6	55.2	2.8381	2.4453	0.306	5.5894	0.9618	1.0475	-0.0468	1.9626
1072	56.2	55	2.8361	2.4469	0.3024	5.5854	0.9389	1.023	0.0057	1.9676
1073	56.2	54.9	2.8318	2.4514	0.2999	5.583	0.981	0.9488	0.0287	1.9585
1074	55.3	54.7	2.8329	2.4509	0.2971	5.5809	1.0412	0.9163	-0.0054	1.9521
1075	55.4	54.4	2.8337	2.4504	0.2955	5.5795	1.0167	0.9312	-0.0246	1.9233
1076	53.9	54.2	2.8309	2.4508	0.2952	5.5769	1.1005	0.8575	-0.0254	1.9326
1077	53	53.9	2.8242	2.4546	0.2955	5.5743	1.1449	0.8363	-0.036	1.9452
1078	54.6	53.9	2.82	2.4578	0.2958	5.5736	1.1272	0.8217	0.009	1.9578
1079	51.1	53.7	2.8126	2.4618	0.2991	5.5735	1.1799	0.8346	-0.0613	1.9531
1080	52.3	53.5	2.8137	2.4596	0.2983	5.5715	1.2836	0.7364	-0.0624	1.9575
1081	52.9	53.4	2.8146	2.4611	0.2959	5.5717	1.2769	0.6906	-0.0236	1.9439
1082	54.3	53.1	2.806	2.4616	0.3033	5.5708	1.4412	0.5115	-0.0312	1.9215
1083	51.7	52.9	2.8047	2.4645	0.3016	5.5708	1.4668	0.505	-0.0553	1.9165
1084	50.3	52.7	2.7916	2.4758	0.3014	5.5687	1.489	0.4291	0.0057	1.9238
1085	51.7	52.6	2.775	2.4869	0.3041	5.566	1.3948	0.4464	0.0322	1.8734
1086	52.4	52.5	2.7738	2.4856	0.3045	5.5639	1.4286	0.4453	0.0352	1.9091
1087	53.4	52.5	2.7766	2.4835	0.3015	5.5616	1.3601	0.5488	-0.03	1.8789
1088	53.7	52.4	2.7778	2.482	0.2992	5.559	1.1643	0.6757	-0.0232	1.8168
1089	52.4	52.3	2.7775	2.4793	0.3005	5.5572	1.2663	0.6209	-0.0462	1.841
1090	53.1	52.3	2.7708	2.4808	0.3049	5.5565	1.2323	0.6667	-0.033	1.8659
1091	52	52.3	2.7716	2.4808	0.3036	5.556	1.1252	0.7998	-0.0641	1.861
1092	50.6	52.1	2.7724	2.4786	0.3028	5.5537	0.9361	1.0079	-0.0221	1.9219
1093	53.2	52.1	2.7665	2.4815	0.3039	5.552	1.0155	0.9509	-0.0962	1.8701
1094	52.7	52.1	2.7618	2.4811	0.3056	5.5484	0.6921	1.3188	-0.1631	1.8478
1095	52	52.1	2.759	2.481	0.3059	5.5459	0.8436	1.2212	-0.2102	1.8546
1096	53.1	52.1	2.757	2.4841	0.3024	5.5435	1.0536	1.0015	-0.1724	1.8827
1097	52.1	52.1	2.7553	2.4865	0.3007	5.5425	1.1742	0.8569	-0.1739	1.8572
1098	50	52	2.7473	2.4881	0.3045	5.5399	1.1496	0.8682	-0.1866	1.8313
1099	51.5	52.1	2.7243	2.5071	0.3067	5.5381	1.2428	0.7537	-0.1491	1.8474
1100	52.5	52	2.7101	2.517	0.3061	5.5331	1.2566	0.6639	-0.0993	1.8213
1101	50.9	52	2.7037	2.5194	0.3067	5.5297	1.4906	0.4135	-0.0833	1.8208

1102	52.5	52.2	2.7002	2.5239	0.3075	5.5316	1.4971	0.4181	-0.0655	1.8497
1103	49.4	52.1	2.6996	2.5253	0.3053	5.5302	1.3446	0.5783	-0.0861	1.8368
1104	52.7	52.1	2.6965	2.5269	0.3038	5.5272	1.3606	0.5524	-0.0546	1.8583
1105	52.8	52.1	2.7035	2.5169	0.3035	5.5239	1.3896	0.5705	-0.0891	1.871
1106	52.3	51.9	2.6961	2.5227	0.3044	5.5232	1.4321	0.4966	-0.0728	1.856
1107	52.9	51.8	2.6917	2.5238	0.3046	5.5201	1.1766	0.7378	-0.053	1.8613
1108	52.7	51.8	2.6945	2.521	0.3026	5.5182	1.5042	0.4568	-0.0642	1.8968
1109	53	51.8	2.6846	2.519	0.3107	5.5144	1.6098	0.3644	-0.1085	1.8657
1110	51.8	51.7	2.6733	2.5146	0.3245	5.5124	1.646	0.3103	-0.1067	1.8496
1111	52.8	51.8	2.6757	2.5109	0.3272	5.5138	1.7769	0.2017	-0.157	1.8216
1112	52.8	51.8	2.6749	2.5107	0.3269	5.5125	1.8239	0.169	-0.1846	1.8083
1113	51.3	51.9	2.6765	2.5082	0.3261	5.5109	1.7665	0.1915	-0.1345	1.8235
1114	52.4	51.9	2.6756	2.5086	0.3241	5.5084	2.6287	-0.6735	-0.1103	1.8448
1115	50.2	51.8	2.6686	2.5082	0.3244	5.5012	2.8976	-0.923	-0.1335	1.8411
1116	50.1	51.9	2.6728	2.5066	0.3259	5.5053	3.0234	-1.0345	-0.1228	1.8661
1117	50.3	51.8	2.6778	2.5	0.3251	5.5029	3.1382	-1.1037	-0.1788	1.8558
1118	50.1	51.7	2.6774	2.4993	0.3251	5.5019	3.0682	-1.0968	-0.1335	1.838
1119	51.9	51.6	2.6709	2.5047	0.3228	5.4984	3.0826	-1.1463	-0.1274	1.8089
1120	52.5	51.6	2.6644	2.5071	0.324	5.4955	3.16	-1.2532	-0.1132	1.7935
1121	52	51.5	2.6601	2.5102	0.3235	5.4938	3.2737	-1.3996	-0.0945	1.7795
1122	51.6	51.4	2.656	2.513	0.3221	5.4912	3.2693	-1.3854	-0.1159	1.768
1123	52	51.4	2.6489	2.5188	0.3222	5.4899	3.3276	-1.4066	-0.1539	1.7671
1124	51.5	51.4	2.6436	2.5245	0.3222	5.4903	3.355	-1.3884	-0.2197	1.7469
1125	53.7	51.4	2.6381	2.5279	0.3214	5.4874	3.4141	-1.375	-0.3109	1.7282
1126	51.9	51.4	2.637	2.5263	0.3225	5.4859	3.335	-1.3183	-0.3071	1.7095
1127	50.7	51.3	2.636	2.5267	0.3211	5.4837	3.3423	-1.3592	-0.2441	1.739
1128	50.6	51.4	2.6304	2.5255	0.3263	5.4822	3.2529	-1.3003	-0.2129	1.7397
1129	51.5	51.3	2.6265	2.5305	0.3234	5.4803	3.2354	-1.2912	-0.2266	1.7177
1130	50.4	51.1	2.6263	2.5313	0.3239	5.4815	3.1661	-1.2321	-0.2002	1.7339
1131	50.7	50.9	2.6268	2.5331	0.3204	5.4803	3.202	-1.2443	-0.2282	1.7295
1132	52	50.8	2.6228	2.5364	0.3196	5.4788	3.2388	-1.236	-0.2432	1.7596
1133	52.4	50.8	2.6185	2.5388	0.3189	5.4762	3.1674	-1.2567	-0.1404	1.7704
1134	50	50.8	2.6171	2.5397	0.3178	5.4745	3.1773	-1.2387	-0.1498	1.7888
1135	49.5	50.7	2.6137	2.5404	0.318	5.4722	3.1011	-1.1179	-0.1564	1.8268
1136	49.6	50.6	2.6075	2.5412	0.3212	5.4699	3.0533	-1.1353	-0.1587	1.7593
1137	52.1	50.6	2.6087	2.5394	0.3223	5.4704	3.1348	-1.1916	-0.1637	1.7795
1138	49.7	50.7	2.609	2.5329	0.3263	5.4682	3.1693	-1.1978	-0.1943	1.7772

1139	48.1	50.6	2.6103	2.5298	0.3252	5.4653	3.1811	-1.1535	-0.1983	1.8293
1140	49.1	50.5	2.614	2.527	0.3236	5.4645	3.0572	-1.1287	-0.1985	1.7299
1141	49.5	50.4	2.6273	2.5118	0.3235	5.4625	2.9711	-1.038	-0.1376	1.7955
1142	51.4	50.1	2.6233	2.513	0.3253	5.4616	3.1117	-1.1181	-0.2028	1.7909
1143	51.4	49.9	2.6158	2.5147	0.3303	5.4608	3.1788	-1.2043	-0.2061	1.7684
1144	52.2	49.7	2.6116	2.5135	0.3329	5.4581	3.2633	-1.2603	-0.2166	1.7863
1145	50.8	49.6	2.6009	2.5243	0.3287	5.454	3.2176	-1.2562	-0.1985	1.7629
1146	50.7	49.5	2.5907	2.5299	0.3324	5.4529	3.1577	-1.2484	-0.1585	1.7508
1147	51.5	49.2	2.5905	2.5228	0.3396	5.4528	3.2038	-1.266	-0.1778	1.76
1148	49.5	49.1	2.5827	2.5307	0.3381	5.4514	3.1934	-1.2672	-0.1537	1.7725
1149	49.6	49.1	2.5842	2.5334	0.3333	5.4508	3.1251	-1.2721	-0.0923	1.7607
1150	48.2	49.1	2.5847	2.5333	0.3308	5.4488	2.9327	-1.0844	-0.084	1.7642
1151	47.2	49.1	2.5804	2.5391	0.3247	5.4443	2.8502	-1.0112	-0.121	1.718
1152	47.7	48.9	2.5838	2.5346	0.3244	5.4428	2.7685	-1.0156	-0.0494	1.7035
1153	46.4	48.8	2.5796	2.5371	0.3224	5.4391	2.7216	-0.9749	-0.0198	1.7269
1154	47.2	48.5	2.5721	2.5409	0.3222	5.4353	2.7029	-0.9273	-0.0347	1.7409
1155	47.4	48.3	2.5686	2.5486	0.3199	5.4371	2.7513	-0.9673	-0.0621	1.7219
1156	47.1	48.2	2.5613	2.5541	0.3191	5.4345	2.8898	-1.1125	-0.0685	1.7088
1157	48.3	48	2.5522	2.557	0.3225	5.4317	2.8206	-1.0647	-0.0395	1.7164
1158	47.6	48	2.5429	2.5637	0.327	5.4336	2.8056	-1.0692	-0.0439	1.6925
1159	48.7	47.9	2.5389	2.5686	0.3257	5.4332	2.8822	-1.1039	-0.09	1.6883
1160	49.4	47.9	2.5281	2.5774	0.3285	5.4339	2.799	-1.1417	0.0122	1.6695
1161	48.9	47.9	2.5236	2.5807	0.3296	5.4339	2.6841	-1.1779	0.1551	1.6613
1162	47.9	47.9	2.5281	2.5805	0.3225	5.4311	2.7025	-1.1574	0.1458	1.691
1163	48	47.9	2.5241	2.5845	0.321	5.4296	2.6853	-1.117	0.1218	1.6902
1164	46.6	47.9	2.5393	2.562	0.3242	5.4255	2.7016	-1.1916	0.1622	1.6723
1165	48	47.8	2.533	2.5661	0.323	5.4221	2.5583	-0.9845	0.13	1.7038
1166	48.4	47.8	2.5262	2.567	0.3264	5.4196	2.5817	-0.955	0.0179	1.6445
1167	49.5	47.8	2.5341	2.5634	0.321	5.4185	2.6683	-1.0949	0.124	1.6974
1168	47.8	47.8	2.533	2.5676	0.3188	5.4194	2.7598	-1.2058	0.1377	1.6918
1169	47.2	47.8	2.5265	2.5731	0.3183	5.4179	2.718	-1.2008	0.1818	1.699
1170	47.3	47.8	2.5209	2.5768	0.3175	5.4152	2.6445	-1.1352	0.1747	1.684
1171	47.7	47.7	2.5112	2.5838	0.3175	5.4126	2.7335	-1.1438	0.1821	1.7718
1172	47.8	47.7	2.5033	2.5876	0.3178	5.4087	2.8105	-1.2304	0.1752	1.7553
1173	46	47.7	2.4963	2.5902	0.3219	5.4084	2.775	-1.2444	0.1595	1.6901
1174	45.8	47.7	2.4915	2.5884	0.3282	5.4081	2.7078	-1.1824	0.1601	1.6855
1175	47.3	47.7	2.5002	2.5822	0.3262	5.4086	2.7613	-1.1489	0.1194	1.7318

1176	48.9	47.7	2.4967	2.5867	0.3196	5.403	2.7782	-1.1399	0.0116	1.6498
1177	47.5	47.4	2.4989	2.5846	0.3168	5.4004	2.8331	-1.2422	0.0525	1.6434
1178	48.4	47.4	2.4965	2.5869	0.3184	5.4019	2.861	-1.196	-0.0302	1.6349
1179	48.3	47.4	2.496	2.585	0.3191	5.4001	2.8203	-1.2044	0.0217	1.6376
1180	48.5	47.4	2.4935	2.584	0.3211	5.3986	2.8923	-1.2244	0.0052	1.6731
1181	47.5	47.3	2.4907	2.5847	0.3202	5.3957	2.8894	-1.2679	0.0757	1.6972
1182	47.8	47.2	2.4892	2.5872	0.3173	5.3938	2.9212	-1.2898	0.0742	1.7055
1183	46.8	47.2	2.487	2.5883	0.3166	5.3919	2.9014	-1.3078	0.0861	1.6798
1184	48.3	47.2	2.4815	2.5876	0.317	5.386	2.8766	-1.3179	0.0997	1.6585
1185	47.8	47.1	2.4697	2.6005	0.32	5.3901	2.8803	-1.3535	0.1194	1.6462
1186	44	46.8	2.4603	2.6048	0.3209	5.386	2.8722	-1.3663	0.1321	1.6381
1187	47.3	46.7	2.4597	2.6033	0.3209	5.3839	2.8804	-1.3876	0.1246	1.6174
1188	46.8	46.6	2.4596	2.5973	0.3191	5.3761	3.0043	-1.4377	0.0947	1.6612
1189	48.1	46.5	2.4718	2.5922	0.3203	5.3842	3.0947	-1.5236	0.0512	1.6223
1190	46.6	46.4	2.4736	2.5846	0.3187	5.3769	3.1847	-1.6075	0.0348	1.6121
1191	45.4	46.3	2.4604	2.5926	0.3239	5.3769	3.258	-1.669	0.0136	1.6026
1192	45.7	46	2.4545	2.599	0.3234	5.3769	3.447	-1.9413	0.0564	1.5621
1193	46.2	46	2.4402	2.6076	0.3256	5.3733	3.4696	-2.0202	0.1874	1.6367
1194	44.8	45.8	2.44	2.6067	0.3254	5.3722	3.4424	-2.0112	0.2251	1.6563
1195	43.8	45.6	2.4432	2.6058	0.3218	5.3708	3.4493	-1.9991	0.2026	1.6529
1196	44.9	45.7	2.4366	2.6107	0.3202	5.3675	3.3272	-1.8923	0.1873	1.6222
1197	46.5	45.5	2.4359	2.6133	0.316	5.3652	3.27	-1.8743	0.241	1.6367
1198	46.5	45.4	2.4348	2.6153	0.3137	5.3638	3.2814	-1.946	0.319	1.6544
1199	46.1	45.2	2.431	2.6155	0.3151	5.3617	3.2161	-1.8833	0.3124	1.6452
1200	45.5	45.2	2.425	2.6181	0.3182	5.3613	2.9848	-1.5658	0.2268	1.6458
1201	43.4	45.1	2.4268	2.6209	0.3116	5.3594	2.9815	-1.5412	0.1992	1.6395
1202	45.6	45.2	2.428	2.6214	0.3095	5.3589	2.9155	-1.4027	0.0837	1.5965
1203	45.4	45.2	2.4293	2.618	0.3088	5.3561	2.9949	-1.508	0.1029	1.5897
1204	44.1	45.2	2.4213	2.6237	0.31	5.355	2.962	-1.5313	0.1344	1.5651
1205	44.9	45.4	2.4145	2.6282	0.3104	5.353	2.8709	-1.4671	0.1441	1.548
1206	45.2	45.5	2.414	2.6292	0.3084	5.3516	2.8725	-1.3489	0.0584	1.582
1207	44.7	45.3	2.4112	2.6307	0.309	5.3509	2.8166	-1.2811	0.0503	1.5858
1208	44.3	45.2	2.4063	2.6314	0.3116	5.3493	2.7861	-1.301	0.0838	1.5688
1209	45	45.2	2.4047	2.6332	0.3095	5.3474	2.7437	-1.2572	0.0919	1.5784
1210	44.9	45.1	2.4049	2.6324	0.309	5.3463	2.7713	-1.2415	0.0532	1.583
1211	46.3	45.1	2.4055	2.6266	0.3127	5.3447	2.6657	-1.1963	0.1413	1.6106
1212	46.8	44.9	2.4063	2.6224	0.3147	5.3435	2.6297	-1.2109	0.1977	1.6165

1213	45.5	44.9	2.4064	2.6274	0.3099	5.3437	2.675	-1.2046	0.1388	1.6093
1214	47.4	44.9	2.4198	2.6071	0.3111	5.338	2.6328	-1.1473	0.1253	1.6109
1215	45.6	44.8	2.4104	2.6037	0.3226	5.3367	2.7964	-1.3639	0.1553	1.5879
1216	43.2	44.7	2.406	2.6161	0.3135	5.3356	2.7591	-1.3104	0.1207	1.5694
1217	45.1	44.7	2.4018	2.6206	0.3113	5.3337	2.7456	-1.3104	0.1304	1.5656
1218	44.9	44.8	2.4056	2.6194	0.3069	5.332	2.7968	-1.2461	0.0102	1.5609
1219	44.4	44.8	2.4064	2.6182	0.3053	5.33	2.8113	-1.2128	-0.0256	1.5729
1220	43.6	44.7	2.3911	2.6215	0.3058	5.3183	2.7813	-1.2106	-0.0014	1.5693
1221	42.5	44.7	2.3791	2.6332	0.3059	5.3182	2.7278	-1.2014	0.0421	1.5685
1222	44.5	44.5	2.3785	2.6375	0.3061	5.3221	2.6187	-1.1337	0.083	1.5681
1223	43.3	44.4	2.3781	2.637	0.3062	5.3214	2.569	-1.0981	0.0958	1.5667
1224	43.5	44.2	2.3674	2.6394	0.3103	5.3171	2.5651	-1.1093	0.1296	1.5855
1225	43.7	44	2.3603	2.6419	0.3203	5.3224	2.5309	-1.0847	0.1939	1.6401
1226	45.1	44	2.3537	2.6505	0.3173	5.3215	2.5401	-1.0756	0.1772	1.6417
1227	45.7	43.8	2.3499	2.6463	0.3241	5.3203	2.5061	-1.0219	0.1234	1.6076
1228	44.6	43.7	2.3483	2.646	0.3241	5.3184	2.5851	-1.0957	0.1164	1.6058
1229	44.2	43.6	2.3373	2.6529	0.3228	5.313	2.6691	-1.1631	0.1246	1.6305
1230	44.9	43.6	2.3373	2.6581	0.3164	5.3118	2.7508	-1.1958	0.0866	1.6415
1231	44.4	43.6	2.3347	2.662	0.313	5.3098	2.824	-1.286	0.1055	1.6434
1232	43.3	43.6	2.3327	2.6672	0.311	5.3108	2.8389	-1.29	0.0787	1.6276
1233	42.9	43.5	2.3309	2.6706	0.3089	5.3104	2.8437	-1.2839	0.0664	1.6262
1234	42.7	43.5	2.329	2.675	0.3058	5.3099	2.8047	-1.256	0.0804	1.629
1235	42.1	43.5	2.3265	2.677	0.3048	5.3084	2.8223	-1.2976	0.0428	1.5675
1236	42.7	43.4	2.3194	2.68	0.3088	5.3082	2.7691	-1.2122	0.0492	1.6061
1237	42.5	43.2	2.3083	2.6832	0.3128	5.3043	2.7042	-1.2148	0.0981	1.5875
1238	43.3	43	2.2995	2.6853	0.3212	5.306	2.7156	-1.2625	0.1341	1.5872
1239	42.3	42.8	2.2918	2.6905	0.3218	5.3041	2.7839	-1.3684	0.1115	1.527
1240	43.4	42.7	2.2882	2.6939	0.3222	5.3043	2.95	-1.4649	0.1493	1.6344
1241	43.2	42.6	2.2826	2.7059	0.3179	5.3063	2.9844	-1.5698	0.1568	1.5714
1242	42.9	42.7	2.2764	2.715	0.3066	5.2979	2.9262	-1.4998	0.1675	1.5939
1243	43.1	42.8	2.2716	2.7158	0.3078	5.2951	2.8546	-1.4298	0.186	1.6107
1244	43	42.8	2.2667	2.7134	0.3127	5.2928	2.7457	-1.389	0.2232	1.5799
1245	43.6	42.9	2.2682	2.7136	0.31	5.2918	2.7909	-1.4205	0.2209	1.5913
1246	42	42.9	2.2637	2.7173	0.3083	5.2893	2.8484	-1.4509	0.1887	1.5862
1247	40.2	43	2.2624	2.7174	0.3076	5.2874	2.7963	-1.3998	0.1696	1.5661
1248	41.8	42.9	2.2611	2.719	0.3069	5.2869	2.8066	-1.3641	0.1259	1.5684
1249	42.7	42.8	2.2857	2.6899	0.3106	5.2863	2.809	-1.3201	0.095	1.5839

1250	42.6	42.7	2.2865	2.6874	0.3109	5.2849	2.8097	-1.3156	0.0877	1.5818
1251	45.2	42.6	2.2889	2.6794	0.3163	5.2846	2.7724	-1.3247	0.1333	1.581
1252	43.1	42.5	2.2843	2.6854	0.3141	5.2838	2.796	-1.3091	0.0815	1.5684
1253	44.2	42.4	2.2834	2.6902	0.309	5.2826	2.9025	-1.2887	-0.0414	1.5725
1254	43.6	42.3	2.285	2.6877	0.3078	5.2805	2.9669	-1.3197	-0.1018	1.5454
1255	42.6	42.3	2.2813	2.6835	0.314	5.2789	2.9099	-1.2927	-0.0814	1.5358
1256	43.6	42.3	2.2796	2.6822	0.314	5.2759	2.7246	-1.2199	0.0383	1.543
1257	42.6	42.3	2.2736	2.6871	0.3142	5.2748	2.8529	-1.3141	0.0102	1.549
1258	40.1	42.2	2.2686	2.6894	0.3178	5.2757	3.2642	-1.6507	-0.0769	1.5367
1259	40.5	42.2	2.2618	2.6927	0.3204	5.2749	3.2275	-1.6311	-0.0504	1.546
1260	41.3	42.1	2.2615	2.697	0.3143	5.2729	3.2364	-1.6333	-0.0684	1.5346
1261	40.9	42	2.2606	2.7018	0.3098	5.2722	3.3047	-1.7359	-0.04	1.5288
1262	42.1	42	2.2606	2.701	0.3086	5.2702	3.3065	-1.7785	0.0002	1.5282
1263	40.6	41.9	2.2608	2.6993	0.3085	5.2686	3.3838	-1.851	-0.0174	1.5154
1264	43.2	41.9	2.2597	2.6983	0.3087	5.2667	3.4259	-1.8502	-0.0391	1.5366
1265	41.9	41.8	2.257	2.6972	0.3109	5.2651	3.5901	-2.0418	-0.0569	1.4914
1266	41.7	41.6	2.2516	2.698	0.3134	5.263	3.53	-2.1173	0.0824	1.4951
1267	39.8	41.5	2.2544	2.688	0.32	5.2624	3.5203	-2.0289	0.0088	1.5002
1268	41.4	41.6	2.2519	2.6889	0.3214	5.2621	3.4854	-2.0058	0.047	1.5265
1269	42.4	41.7	2.2484	2.6942	0.3185	5.261	3.4806	-1.9999	0.0306	1.5113
1270	43.3	41.8	2.2481	2.6969	0.3133	5.2583	3.4794	-1.9536	-0.0207	1.505
1271	42.6	41.8	2.2493	2.6972	0.3092	5.2558	3.3807	-1.9948	0.0076	1.3935
1272	42.3	41.8	2.2464	2.6974	0.3082	5.252	3.3083	-1.9173	0.0208	1.4118
1273	42.9	41.7	2.2398	2.7011	0.3089	5.2498	3.3083	-1.8603	0.0094	1.4573
1274	41.8	41.7	2.2384	2.6969	0.3088	5.2441	3.3716	-1.8849	-0.0229	1.4638
1275	39.2	41.6	2.2462	2.6898	0.3084	5.2444	3.3001	-1.878	0.0045	1.4266
1276	41.4	41.6	2.2461	2.6889	0.3072	5.2422	3.2435	-1.9118	0.1572	1.4889
1277	40.6	41.7	2.2404	2.6942	0.3052	5.2398	3.1321	-1.7865	0.1383	1.4839
1278	42.3	41.7	2.2296	2.7033	0.306	5.2388	3.1163	-1.8401	0.2015	1.4777
1279	42.9	41.5	2.2209	2.7046	0.3105	5.236	3.236	-1.9169	0.202	1.5211
1280	42.5	41.3	2.2111	2.7126	0.3105	5.2342	3.2084	-1.8763	0.1275	1.4596
1281	40.7	41.2	2.2068	2.7137	0.3124	5.2329	3.2138	-1.8365	0.0645	1.4418
1282	40.2	41.1	2.2048	2.7156	0.3107	5.2311	3.2369	-1.8506	0.0351	1.4214
1283	41.8	41	2.2065	2.714	0.3086	5.229	3.2435	-1.8183	0.0428	1.468
1284	40.4	40.9	2.1993	2.7173	0.3127	5.2293	3.3523	-1.8513	0.0039	1.5049
1285	42.1	41	2.1928	2.7217	0.3151	5.2295	3.4192	-1.8688	-0.0483	1.5021
1286	41.6	40.9	2.1899	2.7262	0.3111	5.2272	3.4118	-1.9082	-0.0111	1.4925

1287	40.8	40.8	2.1881	2.7295	0.3075	5.2251	3.4062	-1.9632	0.0613	1.5042
1288	40	40.7	2.1813	2.7342	0.3079	5.2234	3.3797	-2.0134	0.1104	1.4766
1289	38.1	40.6	2.1768	2.7387	0.3054	5.2208	3.3693	-2.0339	0.1786	1.514
1290	41.7	40.6	2.1752	2.7416	0.303	5.2198	3.3745	-2.0171	0.1489	1.5062
1291	39.8	40.7	2.1678	2.7426	0.3071	5.2175	3.3312	-2.0189	0.2016	1.5138
1292	40.6	40.7	2.169	2.742	0.3048	5.2158	3.3254	-1.9264	0.1797	1.5786
1293	39.7	40.7	2.1656	2.7465	0.3032	5.2154	3.3204	-1.9099	0.0667	1.4772
1294	41.4	40.7	2.1609	2.7488	0.3033	5.213	3.3296	-1.9324	0.085	1.4822
1295	39.6	40.6	2.1584	2.7509	0.3029	5.2122	3.2777	-1.9468	0.1467	1.4776
1296	39.5	40.5	2.157	2.7506	0.3033	5.2109	3.2734	-1.9353	0.1219	1.46
1297	40.7	40.5	2.1553	2.7497	0.3035	5.2084	3.2844	-1.9455	0.1156	1.4545
1298	41	40.7	2.1539	2.7473	0.3042	5.2054	3.3433	-1.9851	0.1047	1.4629
1299	41.7	40.9	2.1501	2.7471	0.3063	5.2035	3.3937	-1.9967	0.074	1.471
1300	42.2	41	2.1478	2.7506	0.3048	5.2032	3.6904	-2.3042	0.0854	1.4717
1301	41.3	41.1	2.1472	2.7518	0.3035	5.2026	3.7341	-2.3347	0.0628	1.4621
1302	41.2	41.1	2.1377	2.7503	0.3136	5.2016	3.7748	-2.4023	0.1037	1.4762
1303	40.1	41.2	2.1326	2.75	0.319	5.2016	3.7299	-2.3308	0.0849	1.4839
1304	39.9	41	2.1303	2.7529	0.3181	5.2014	3.7818	-2.2987	0.0065	1.4896
1305	40.8	40.9	2.142	2.7502	0.3065	5.1987	3.8203	-2.359	0.0303	1.4916
1306	40.5	40.9	2.1287	2.7606	0.3074	5.1967	3.7612	-2.4298	0.1364	1.4678
1307	43.2	40.8	2.0848	2.7958	0.3167	5.1972	3.7101	-2.4107	0.1427	1.4422
1308	42.9	40.7	2.0836	2.7945	0.3166	5.1947	3.679	-2.4021	0.1579	1.4349
1309	42.2	40.6	2.0811	2.7965	0.3164	5.1939	3.6696	-2.3954	0.1853	1.4595
1310	41.6	40.5	2.0744	2.806	0.313	5.1934	3.6596	-2.3959	0.2111	1.4748
1311	41.6	40.4	2.0748	2.8045	0.3126	5.1919	3.6633	-2.307	0.1012	1.4575
1312	41	40.2	2.068	2.8076	0.3164	5.1919	3.5351	-2.0684	-0.0142	1.4526
1313	38.6	40.1	2.0638	2.8124	0.3138	5.19	3.3954	-1.9311	-0.0327	1.4315
1314	37.9	40	2.0608	2.8113	0.3168	5.1888	3.3567	-1.9125	-0.0225	1.4218
1315	38.2	39.8	2.0574	2.8154	0.3144	5.1872	3.3545	-1.9471	0.0068	1.4142
1316	39.2	39.7	2.054	2.819	0.3126	5.1856	3.3649	-1.9873	0.0449	1.4225
1317	40.2	39.5	2.0533	2.8211	0.3066	5.181	3.3585	-2.0015	0.0628	1.4198
1318	39.1	39.3	2.0576	2.8194	0.3039	5.1808	3.4181	-2.1204	0.1197	1.4174
1319	39.9	39.2	2.0585	2.8136	0.3074	5.1795	3.4071	-2.1112	0.1309	1.4268
1320	39.2	39.1	2.053	2.8209	0.305	5.179	3.2095	-1.984	0.1929	1.4184
1321	37.9	39	2.0483	2.8249	0.3039	5.1771	3.121	-1.8634	0.149	1.4066
1322	37.7	39	2.0477	2.8235	0.3052	5.1764	3.1506	-1.8505	0.0995	1.3996
1323	37.8	39	2.041	2.8255	0.3085	5.175	3.1328	-1.8175	0.0812	1.3964

1324	37.8	39	2.0374	2.8272	0.3098	5.1745	3.0519	-1.766	0.121	1.4069
1325	37.7	39	2.0359	2.8331	0.3045	5.1736	3.0252	-1.7746	0.1232	1.3738
1326	40.2	39	2.0405	2.8292	0.3035	5.1731	3.0775	-1.799	0.117	1.3955
1327	38.8	38.8	2.0382	2.8303	0.3039	5.1725	3.0552	-1.7094	0.1019	1.4477
1328	41	38.7	2.0247	2.8377	0.3039	5.1663	2.8991	-1.5716	0.0828	1.4103
1329	39.6	38.7	2.0164	2.8406	0.3101	5.1671	2.777	-1.4939	0.0982	1.3813
1330	40.2	38.6	2.0159	2.8418	0.3099	5.1676	2.7366	-1.5087	0.1255	1.3534
1331	39.5	38.6	2.011	2.8471	0.3095	5.1676	2.6431	-1.3906	0.1019	1.3543
1332	38.8	38.7	2.0083	2.849	0.3067	5.164	2.5711	-1.3639	0.1343	1.3415
1333	37.6	38.8	1.9956	2.8557	0.3085	5.1599	2.6201	-1.375	0.077	1.3221
1334	38.2	38.9	1.9871	2.8619	0.3107	5.1596	2.6873	-1.447	0.0732	1.3135
1335	39.1	39	1.9853	2.8679	0.3059	5.1591	2.6481	-1.444	0.1215	1.3255
1336	37.1	39	1.9788	2.8763	0.3026	5.1577	2.5465	-1.388	0.1587	1.3172
1337	37.9	38.8	1.9703	2.8845	0.3018	5.1566	2.5117	-1.301	0.1224	1.3331
1338	38.3	38.7	1.9626	2.8887	0.3033	5.1546	2.5076	-1.2633	0.097	1.3413
1339	37.7	38.6	1.9544	2.8922	0.3069	5.1535	2.4617	-1.224	0.1084	1.3461
1340	39	38.4	1.955	2.8958	0.3021	5.1529	2.4303	-1.1359	0.0419	1.3364
1341	39.2	38.4	1.95	2.8985	0.2999	5.1485	2.4389	-1.0965	-0.017	1.3254
1342	40.2	38.5	1.9443	2.906	0.2999	5.1502	2.3225	-1.0401	0.0569	1.3392
1343	38.9	38.7	1.9386	2.9091	0.2993	5.1469	2.3716	-1.0957	0.0204	1.2963
1344	39.6	38.8	1.9389	2.9081	0.298	5.145	2.3833	-1.083	0.0157	1.316
1345	39.5	38.9	1.9408	2.9071	0.2978	5.1458	2.3158	-1.0632	0.0613	1.3138
1346	36.6	39.1	1.9353	2.9119	0.2967	5.1438	2.246	-0.8891	-0.0341	1.3228
1347	37.7	39.2	1.928	2.9159	0.2972	5.1411	2.3174	-0.9579	-0.0814	1.2781
1348	37.4	39.2	1.9217	2.9187	0.2995	5.1398	2.3476	-1.0219	-0.0528	1.2728
1349	37.7	39.2	1.9166	2.9204	0.3021	5.1391	2.2817	-1.0035	-0.0163	1.262
1350	39.9	39.3	1.9131	2.9209	0.3046	5.1387	2.092	-0.8585	0.0072	1.2407
1351	40.2	39.3	1.9114	2.9196	0.306	5.137	1.9865	-0.7681	0.0145	1.2329
1352	41.1	39.3	1.9113	2.9184	0.3056	5.1354	1.9194	-0.6494	-0.0071	1.2629
1353	40.9	39.4	1.9053	2.9201	0.3083	5.1337	1.8218	-0.6184	0.0462	1.2496
1354	40.9	39.3	1.903	2.9236	0.3048	5.1314	1.8204	-0.7037	0.1337	1.2505
1355	40.7	39.3	1.9052	2.9265	0.3004	5.1321	1.8577	-0.7524	0.1655	1.2709
1356	38.9	39.4	1.9086	2.9233	0.2998	5.1317	1.7919	-0.6196	0.0357	1.208
1357	38.2	39.5	1.9057	2.9273	0.2984	5.1314	1.6939	-0.456	0.0108	1.2487
1358	39.1	39.5	1.9016	2.929	0.2993	5.1298	1.2389	-0.1563	0.1929	1.2755
1359	39.5	39.6	1.8958	2.9323	0.2993	5.1274	1.2564	-0.166	0.1959	1.2863
1360	39.6	39.5	1.8952	2.9277	0.3042	5.1271	1.0683	0.0973	0.1494	1.315

1361	40.8	39.4	1.9071	2.9086	0.3112	5.127	1.0209	0.1669	0.1126	1.3004
1362	39.8	39.2	1.9211	2.8941	0.3119	5.1271	1.0578	0.1379	0.1115	1.3072
1363	38.7	39.2	1.9251	2.8905	0.3107	5.1264	0.9313	0.2523	0.1652	1.3487
1364	38.4	39.2	1.9242	2.8931	0.308	5.1253	0.8937	0.3883	0.0423	1.3243
1365	38.5	39.1	1.9206	2.8959	0.3065	5.1229	1.0232	0.2432	0.0532	1.3196
1366	39.3	39.2	1.9158	2.8981	0.3071	5.121	1.0935	0.2063	0.0402	1.34
1367	38.3	39.2	1.9126	2.9	0.308	5.1206	0.7264	0.6099	-0.0562	1.2801
1368	39.9	39.3	1.9111	2.9	0.3083	5.1194	0.6868	0.6831	-0.1487	1.2212
1369	37.3	39.4	1.9274	2.8926	0.2992	5.1192	0.8478	0.493	-0.1254	1.2153
1370	38.3	39.4	1.936	2.8833	0.2984	5.1176	0.3423	0.9789	-0.1043	1.2169
1371	38.6	39.4	1.9343	2.8823	0.2993	5.1158	0.4291	0.8822	-0.0836	1.2277
1372	40.3	39.5	1.9331	2.8791	0.3001	5.1124	0.4939	0.773	-0.0745	1.1924
1373	40.1	39.6	1.9346	2.8777	0.2968	5.1091	0.4574	0.8478	-0.0783	1.2269
1374	39.7	39.7	1.9359	2.8743	0.2965	5.1067	-0.117	1.4	-0.0674	1.2156
1375	40.7	39.7	1.9384	2.8697	0.2968	5.1049	-0.0031	1.2637	-0.0305	1.2301
1376	38.3	39.7	1.9406	2.8598	0.2971	5.0975	0.0832	1.2314	-0.0717	1.2429
1377	40	39.6	1.9505	2.8514	0.2969	5.0987	0.0099	1.3524	-0.106	1.2563
1378	41.7	39.6	1.9519	2.8527	0.2962	5.1007	-0.1874	1.5638	-0.1301	1.2463
1379	40.2	39.6	1.9472	2.8555	0.2979	5.1006	-0.2242	1.5277	-0.1228	1.1807
1380	41.4	39.5	1.9468	2.8517	0.3003	5.0988	-0.2588	1.4973	-0.0388	1.1998
1381	40.5	39.5	1.9497	2.8501	0.2989	5.0988	-0.1725	1.4297	-0.0295	1.2278
1382	41.9	39.4	1.9428	2.8531	0.303	5.0989	-0.093	1.4226	-0.1562	1.1735
1383	39.6	39.3	1.9378	2.8587	0.3012	5.0977	-0.0438	1.4029	-0.1612	1.198
1384	38.3	39.2	1.9344	2.8617	0.3006	5.0967	-0.7592	2.1452	-0.1298	1.2563
1385	38.4	39.1	1.9381	2.8605	0.2992	5.0978	-0.8601	2.1456	-0.1174	1.168
1386	38	39.1	1.9387	2.8563	0.2988	5.0939	-0.7236	2.0664	-0.1433	1.1995
1387	39	39	1.9374	2.8559	0.2978	5.091	-0.6018	1.9735	-0.1846	1.1871
1388	37.7	38.8	1.9351	2.8566	0.2971	5.0887	-0.4974	1.9173	-0.206	1.2139
1389	36.4	38.6	1.9337	2.8522	0.3012	5.0872	-0.4663	1.8719	-0.1856	1.22
1390	37.8	38.5	1.9313	2.8512	0.3047	5.0872	-0.4728	1.8219	-0.1367	1.2124
1391	39	38.3	1.9355	2.8466	0.3015	5.0836	-0.4347	1.9284	-0.1915	1.3023
1392	37.1	38	1.9319	2.8516	0.3028	5.0862	-0.7236	2.2325	-0.2434	1.2655
1393	39.7	37.9	1.9273	2.8548	0.3017	5.0838	-0.9357	2.3577	-0.1874	1.2346
1394	38.4	37.8	1.9293	2.8551	0.2972	5.0816	-0.9439	2.3024	-0.1496	1.2088
1395	37.4	37.7	1.9338	2.8398	0.3063	5.0799	-0.8487	2.1984	-0.151	1.1987
1396	39.2	37.7	1.9252	2.8464	0.3114	5.0831	-0.6863	2.0438	-0.1499	1.2076
1397	37.5	37.6	1.9205	2.8519	0.3087	5.0811	-1.1479	2.6207	-0.2366	1.2363

1398	36.9	37.7	1.9257	2.8476	0.3059	5.0792	-1.1292	2.5776	-0.2347	1.2137
1399	37.7	37.8	1.9409	2.8329	0.3056	5.0794	-1.1058	2.4974	-0.17	1.2216
1400	37.2	37.9	1.9492	2.8274	0.3034	5.0799	-1.0558	2.4578	-0.1768	1.2251
1401	36.4	38	1.9553	2.8168	0.3042	5.0763	-1.2549	2.6498	-0.1783	1.2167
1402	37.5	38.2	1.9556	2.8121	0.309	5.0767	-1.1372	2.5215	-0.179	1.2053
1403	36.6	38.3	1.9506	2.8204	0.3056	5.0765	-1.1436	2.4801	-0.156	1.1806
1404	36.7	38.4	1.9446	2.8282	0.3016	5.0743	-1.2351	2.4934	-0.0891	1.1692
1405	37	38.5	1.9628	2.8121	0.303	5.0779	-1.1354	2.4156	-0.1159	1.1643
1406	38.2	38.5	1.9593	2.8062	0.3063	5.0718	-0.99	2.3491	-0.1765	1.1826
1407	39.5	38.6	1.9609	2.8114	0.2974	5.0697	-0.8723	2.2391	-0.2071	1.1597
1408	38.3	38.6	1.9579	2.8111	0.297	5.0661	-1.1998	2.6344	-0.2599	1.1747
1409	39.9	38.6	1.9742	2.7868	0.3014	5.0624	-1.2295	2.5901	-0.2292	1.1314
1410	41.3	38.7	1.9723	2.7893	0.3017	5.0633	-1.1347	2.4971	-0.1907	1.1717
1411	40.6	38.8	1.969	2.7907	0.3015	5.0612	-1.0073	2.3652	-0.1659	1.192
1412	41	38.9	1.9748	2.7823	0.2999	5.0571	-1.1023	2.3939	-0.1151	1.1765
1413	40.4	38.9	1.9744	2.7736	0.3096	5.0576	-0.8168	2.086	-0.0499	1.2193
1414	39.5	38.9	1.9584	2.7869	0.3115	5.0569	-0.651	1.9413	-0.0658	1.2245
1415	39.2	38.9	1.9481	2.7948	0.3104	5.0532	-0.6524	1.9832	-0.125	1.2057
1416	38.4	38.9	1.9813	2.758	0.3182	5.0576	-0.8255	2.1767	-0.1723	1.1788
1417	38.3	38.8	1.9846	2.7528	0.3215	5.0589	-0.7597	2.0743	-0.1434	1.1712
1418	38.1	38.9	1.9728	2.7701	0.3164	5.0593	-0.7982	2.1157	-0.1356	1.1819
1419	38.6	38.7	2.0243	2.7157	0.3179	5.0578	-0.8046	2.1471	-0.1564	1.1861
1420	38.1	38.5	2.0101	2.7327	0.3134	5.0562	-0.5283	1.9806	-0.249	1.2033
1421	39.5	38.3	1.9989	2.7476	0.3113	5.0578	-0.4061	1.8388	-0.2317	1.201
1422	36.5	38.2	2.002	2.7387	0.313	5.0537	-0.3634	1.7539	-0.2053	1.1852
1423	35.8	38.1	2.0527	2.6855	0.3152	5.0534	-0.27	1.6507	-0.2401	1.1405
1424	38	38	2.0377	2.7008	0.3129	5.0514	-0.125	1.5472	-0.2865	1.1357
1425	38.5	38.1	2.0276	2.71	0.3117	5.0493	-0.394	1.7883	-0.2944	1.1
1426	37.9	38	2.0395	2.6939	0.3141	5.0475	-0.2389	1.5821	-0.2487	1.0945
1427	38.7	38.1	2.057	2.6739	0.3169	5.0479	-0.1407	1.4642	-0.2891	1.0344
1428	36.7	38.2	2.0471	2.6849	0.3162	5.0482	0.0486	1.3131	-0.3067	1.0549
1429	36.7	38.2	2.0423	2.6908	0.314	5.0471	0.0485	1.3577	-0.322	1.0841
1430	37.4	38.2	2.0332	2.6988	0.3128	5.0448	-0.1817	1.5791	-0.305	1.0923
1431	38.7	38.3	2.0203	2.7048	0.3251	5.0503	-0.0699	1.4081	-0.2407	1.0975
1432	39.2	38.5	2.0127	2.7087	0.3228	5.0442	0.012	1.2982	-0.1932	1.117
1433	38.3	38.8	2.0715	2.6412	0.3215	5.0342	-0.1117	1.4419	-0.179	1.1512
1434	39.5	38.9	2.0731	2.6473	0.3224	5.0428	-0.1675	1.5465	-0.2371	1.1419

1435	38.1	38.9	2.0577	2.6612	0.3203	5.0392	-0.1255	1.4859	-0.2443	1.1161
1436	39	39	2.039	2.6789	0.3211	5.039	-0.0358	1.4483	-0.2758	1.1367
1437	39.4	39	2.0201	2.6928	0.3224	5.0352	-0.0135	1.3691	-0.2589	1.0966
1438	38.8	39.1	2.0092	2.7015	0.3219	5.0326	-0.1558	1.5189	-0.2825	1.0806
1439	39.5	39.3	2.0016	2.7101	0.3205	5.0322	-0.1594	1.4625	-0.2131	1.0899
1440	40.8	39.4	1.9985	2.703	0.3212	5.0227	-0.0714	1.3449	-0.1682	1.1053
1441	40.2	39.4	2.0224	2.6753	0.3242	5.0219	-0.1272	1.3935	-0.142	1.1243
1442	41	39.3	2.0379	2.6702	0.3186	5.0267	-0.0815	1.3527	-0.1707	1.1004
1443	39.6	39.3	2.033	2.6788	0.3142	5.026	-0.0736	1.3848	-0.1782	1.133
1444	39.9	39.2	2.0238	2.6882	0.3131	5.0252	-0.1088	1.4547	-0.2185	1.1274
1445	39.5	39.2	2.0095	2.7027	0.3128	5.025	-0.037	1.4072	-0.2499	1.1203
1446	39.3	39.1	2.0501	2.6498	0.3204	5.0202	0.06	1.1505	-0.1222	1.0882
1447	38.6	39	2.0409	2.6581	0.3206	5.0197	-0.0611	1.289	-0.0739	1.154
1448	40.5	38.9	2.0323	2.6689	0.3165	5.0177	-0.1613	1.4122	-0.0974	1.1536
1449	38.7	38.8	2.0222	2.6746	0.3198	5.0166	-0.0832	1.3643	-0.1172	1.164
1450	38.9	38.5	2.0386	2.6559	0.3225	5.017	0.1357	1.1455	-0.1075	1.1737
1451	37	38.1	2.0251	2.6675	0.3239	5.0165	0.2861	1.0095	-0.1226	1.173
1452	38.2	37.7	2.0257	2.6704	0.3212	5.0173	0.3158	1.0087	-0.1757	1.1487
1453	37.9	37.5	2.0288	2.6707	0.3172	5.0167	0.363	0.8788	-0.0846	1.1571
1454	38	37.4	2.0165	2.682	0.3164	5.0149	0.3818	0.8993	-0.1151	1.1659
1455	37.7	37.2	2.0042	2.6916	0.3181	5.0138	0.384	0.921	-0.1729	1.1321
1456	37.7	37	1.9958	2.6994	0.3205	5.0157	0.547	0.8509	-0.1978	1.2001
1457	36.2	37	2.0256	2.6639	0.3244	5.0139	0.5437	0.7778	-0.187	1.1346
1458	36.8	36.9	2.0245	2.67	0.3222	5.0167	0.5917	0.7911	-0.2573	1.1255
1459	35	36.9	2.0093	2.6826	0.3183	5.0103	0.6007	0.7697	-0.256	1.1145
1460	33.7	36.8	1.9959	2.6912	0.3208	5.0079	0.7744	0.5018	-0.1949	1.0814
1461	33.7	36.9	2.0173	2.6692	0.3228	5.0093	0.7776	0.4844	-0.1559	1.1061
1462	35.6	36.9	2.0027	2.6855	0.3169	5.0051	0.7381	0.5631	-0.1959	1.1053
1463	36.6	36.8	1.9902	2.6964	0.3173	5.0039	0.7643	0.4764	-0.2115	1.0292
1464	36	36.8	1.9894	2.6947	0.3205	5.0047	0.821	0.2992	-0.0831	1.0371
1465	35.9	36.7	2.0031	2.6782	0.3237	5.005	0.7552	0.376	-0.0816	1.0497
1466	38	36.7	1.9918	2.6907	0.3215	5.0039	0.6911	0.5057	-0.1103	1.0865
1467	39.1	36.7	1.9924	2.6885	0.3216	5.0024	0.9609	0.1639	-0.0708	1.054
1468	38.6	36.8	1.9916	2.6853	0.3239	5.0008	1.1145	0.0095	-0.0385	1.0855
1469	38.2	37	1.9802	2.6945	0.3241	4.9988	1.0131	0.1722	-0.0794	1.1058
1470	37.5	37.2	1.9766	2.6994	0.3215	4.9975	1.463	-0.3068	-0.0591	1.0971
1471	38.3	37.5	1.9706	2.7069	0.3198	4.9973	1.2821	-0.1384	-0.0525	1.0912

1472	36.5	37.7	1.9602	2.7141	0.3241	4.9983	1.2275	-0.0152	-0.0896	1.1227
1473	37.3	37.8	1.9471	2.723	0.3255	4.9956	1.2966	-0.1167	-0.0855	1.0944
1474	37	38	1.9753	2.6955	0.3259	4.9967	1.8264	-0.6802	-0.0422	1.104
1475	37.2	38.1	1.9623	2.7115	0.3216	4.9954	1.7116	-0.5406	-0.0748	1.0961
1476	37.1	38.1	1.9546	2.7134	0.326	4.994	1.6721	-0.4907	-0.0898	1.0916
1477	37.9	38.1	1.9456	2.7201	0.3276	4.9933	1.8118	-0.7234	-0.0013	1.0871
1478	38.1	38.2	1.947	2.7169	0.3284	4.9923	1.7034	-0.5676	0.0412	1.177
1479	38.5	38.2	1.9654	2.6976	0.3284	4.9914	1.4659	-0.3738	0.0354	1.1274
1480	38.7	38.2	1.9537	2.7109	0.3244	4.989	1.4548	-0.2854	-0.0615	1.1079
1481	39.6	38.1	1.9485	2.7203	0.3183	4.9871	1.3682	-0.2721	-0.001	1.0951
1482	38.3	38.1	1.954	2.7089	0.3209	4.9838	1.2819	-0.2756	0.1392	1.1455
1483	39.4	38.2	1.9545	2.704	0.325	4.9835	1.2675	-0.3006	0.1322	1.0991
1484	39.3	38.1	1.947	2.7131	0.325	4.9851	1.9112	-1.0115	0.1126	1.0123
1485	37.5	38.1	1.9417	2.7156	0.3268	4.9841	2.0108	-0.9859	0.0947	1.1195
1486	38.4	38.1	1.9401	2.7194	0.3247	4.9842	1.8859	-0.8337	0.0499	1.102
1487	40	38	1.9529	2.704	0.326	4.983	1.6905	-0.6228	0.0522	1.1199
1488	39.4	38	1.951	2.7103	0.3184	4.9797	1.5323	-0.5417	0.0978	1.0884
1489	37.1	37.8	1.9409	2.7178	0.318	4.9766	1.4667	-0.5059	0.1236	1.0843
1490	37.4	37.7	1.944	2.7119	0.3189	4.9748	1.4205	-0.4201	0.1228	1.1231
1491	36.6	37.5	1.9437	2.7113	0.3185	4.9736	1.4076	-0.5189	0.1323	1.0209
1492	37.6	37.4	1.9392	2.7131	0.3206	4.9729	1.7415	-0.8681	0.1417	1.0151
1493	36.1	37.2	1.9382	2.7093	0.3235	4.971	1.8905	-0.9472	0.103	1.0464
1494	36.2	37	1.933	2.7144	0.3222	4.9696	1.9085	-0.8529	-0.0005	1.0551
1495	37.8	36.9	1.9278	2.7248	0.3185	4.9711	1.8667	-0.8175	-0.0111	1.0381
1496	36.9	36.7	1.9314	2.7175	0.3188	4.9677	1.7631	-0.7126	-0.0205	1.03
1497	36.6	36.4	1.9366	2.7106	0.3185	4.9657	2.1116	-1.166	0.0449	0.9905
1498	36.4	36.2	1.934	2.7112	0.3176	4.9628	2.0171	-1.0772	0.0552	0.995
1499	35.1	36	1.9273	2.7184	0.3164	4.962	1.9721	-1.0207	0.0385	0.9898
1500	36.6	35.9	1.9205	2.7264	0.3157	4.9626	1.8888	-0.9906	0.112	1.0102
1501	36.5	35.9	1.9237	2.7159	0.3218	4.9614	2.1176	-1.2096	0.1332	1.0412
1502	34.8	35.7	1.9193	2.7242	0.3175	4.961	1.9569	-1.0869	0.143	1.013
1503	35.7	35.8	1.9124	2.7304	0.3171	4.96	1.9695	-1.0446	0.1209	1.0458
1504	36.6	35.8	1.9062	2.7361	0.3189	4.9611	2.0194	-1.0292	0.0925	1.0828
1505	34.2	35.8	1.9081	2.727	0.3227	4.9579	1.9428	-0.9488	0.0856	1.0797
1506	33.8	35.9	1.9049	2.7284	0.325	4.9584	1.8872	-0.8658	0.0667	1.0881
1507	35.3	35.9	1.9017	2.7323	0.3231	4.9571	1.7186	-0.7221	0.0885	1.0849
1508	34.5	35.9	1.8979	2.7342	0.3226	4.9547	1.9831	-1.0098	0.1002	1.0736

1509	34.9	36.1	1.8968	2.7366	0.3209	4.9543	1.9926	-0.9847	0.0894	1.0974
1510	36	36.1	1.8946	2.7409	0.3173	4.9527	1.9053	-0.9035	0.0455	1.0472
1511	35.2	36.1	1.8952	2.7344	0.3211	4.9507	1.8236	-0.862	0.0659	1.0275
1512	36.5	36.2	1.8984	2.7347	0.3211	4.9541	2.0954	-1.1364	0.087	1.0459
1513	36.6	36.2	1.8923	2.7437	0.3179	4.9539	1.9941	-1.0089	0.0312	1.0163
1514	38.4	36.2	1.8829	2.7493	0.3197	4.9519	1.8678	-0.9128	0.0539	1.0089
1515	38.8	36.3	1.879	2.7442	0.3214	4.9446	1.7698	-0.8262	0.0996	1.0432
1516	36.2	36.5	1.8852	2.7416	0.3253	4.9522	1.8545	-0.93	0.1533	1.0777
1517	36.5	36.6	1.8732	2.7519	0.3253	4.9504	1.8104	-0.8526	0.1517	1.1096
1518	38.3	36.8	1.8715	2.7529	0.3244	4.9487	1.8558	-0.8853	0.1448	1.1152
1519	36.5	36.9	1.878	2.7464	0.3238	4.9481	1.8832	-0.9509	0.1698	1.1021
1520	37.5	36.9	1.8819	2.7466	0.3186	4.9471	1.8626	-0.8882	0.1322	1.1067
1521	36.2	36.9	1.8761	2.7492	0.3203	4.9456	1.8281	-0.8558	0.1324	1.1048
1522	36	36.9	1.8723	2.7504	0.3216	4.9443	1.7633	-0.7706	0.1096	1.1023
1523	36.3	36.9	1.87	2.7535	0.3195	4.943	1.6512	-0.6611	0.13	1.1201
1524	36.7	36.8	1.8666	2.7549	0.3204	4.9418	1.6364	-0.7047	0.181	1.1128
1525	36.9	36.7	1.8604	2.7591	0.3207	4.9401	1.9995	-1.0398	0.1611	1.1207
1526	37.2	36.7	1.8583	2.7663	0.3142	4.9388	1.9284	-0.9687	0.1351	1.0947
1527	38.4	36.7	1.8866	2.7307	0.3128	4.9302	1.9253	-1.0015	0.183	1.1068
1528	37.3	36.5	1.9006	2.7223	0.3126	4.9355	1.8218	-0.8806	0.1596	1.1009
1529	35.6	36.4	1.8968	2.7194	0.3201	4.9363	1.7651	-0.8284	0.1589	1.0955
1530	36	36.2	1.8964	2.726	0.3129	4.9353	1.9751	-1.0458	0.1568	1.0861
1531	36.3	36.1	1.8921	2.7324	0.3112	4.9358	1.8638	-0.9465	0.1361	1.0534
1532	35.4	36.1	1.8859	2.7388	0.3096	4.9343	1.7925	-0.7974	0.0686	1.0637
1533	36.9	36.1	1.8804	2.7423	0.3102	4.933	1.8911	-0.9286	0.0685	1.0311
1534	36.8	35.9	1.872	2.7459	0.3129	4.9309	1.9544	-1.0219	0.1003	1.0328
1535	36.5	35.8	1.8691	2.7446	0.3153	4.929	1.8969	-0.9465	0.1063	1.0567
1536	35.6	35.7	1.87	2.7412	0.3159	4.9271	1.7511	-0.8114	0.1266	1.0663
1537	35.2	35.5	1.8668	2.7469	0.3126	4.9264	1.7376	-0.7657	0.1036	1.0754
1538	34.9	35.4	1.8626	2.7521	0.3095	4.9242	1.8812	-0.9652	0.1715	1.0875
1539	34.1	35.3	1.8596	2.7521	0.3083	4.9199	1.8716	-0.891	0.0869	1.0675
1540	33.6	35.2	1.8577	2.7549	0.308	4.9206	1.7266	-0.7767	0.082	1.0319
1541	35.2	35.1	1.8482	2.7621	0.3101	4.9204	1.8006	-0.8773	0.1044	1.0277
1542	36.6	35.1	1.8488	2.7649	0.3083	4.9221	1.8611	-0.9304	0.0968	1.0275
1543	34	34.9	1.8421	2.7641	0.3143	4.9205	1.8391	-0.9236	0.1125	1.0279
1544	35.4	34.8	1.8371	2.77	0.3142	4.9213	1.808	-0.9205	0.123	1.0105
1545	33.6	34.6	1.8332	2.774	0.3149	4.922	1.7157	-0.8372	0.1553	1.0338

1546	34.7	34.6	1.8389	2.7664	0.3159	4.9212	1.6766	-0.7666	0.1424	1.0524
1547	35.7	34.7	1.8392	2.7659	0.3151	4.9202	1.753	-0.8725	0.1304	1.011
1548	34.7	34.8	1.8351	2.771	0.3126	4.9187	1.9579	-1.0384	0.0888	1.0083
1549	33.9	34.9	1.8333	2.7736	0.3086	4.9156	1.9355	-1.0358	0.0924	0.9922
1550	34.5	35	1.8269	2.7769	0.3092	4.9129	1.8621	-0.9757	0.097	0.9834
1551	34.2	35	1.8294	2.7762	0.3096	4.9152	1.8474	-0.937	0.0891	0.9995
1552	34.4	34.9	1.8287	2.7749	0.3092	4.9128	1.8239	-0.9661	0.1396	0.9974
1553	34	35	1.8268	2.7737	0.308	4.9085	1.7745	-0.8787	0.1	0.9958
1554	33.9	35.1	1.8223	2.7769	0.3078	4.907	1.606	-0.7114	0.0807	0.9754
1555	35.3	35.2	1.8155	2.7782	0.3114	4.905	1.5336	-0.6673	0.1051	0.9714
1556	36.1	35.3	1.824	2.7716	0.3116	4.9072	1.4287	-0.5958	0.1201	0.9529
1557	37.6	35.3	1.8273	2.7649	0.3143	4.9065	1.495	-0.6606	0.1306	0.965
1558	36.1	35.3	1.8253	2.7684	0.3132	4.9069	1.5512	-0.6985	0.1125	0.9652
1559	34.8	35.4	1.8188	2.773	0.3138	4.9055	1.5756	-0.7276	0.125	0.9729
1560	35.8	35.5	1.8135	2.7774	0.3142	4.9052	1.4054	-0.5456	0.1001	0.9599
1561	34.8	35.6	1.8078	2.7829	0.3141	4.9047	1.4151	-0.5012	0.0292	0.9431
1562	36.2	35.6	1.8033	2.7864	0.3138	4.9035	1.4651	-0.6068	0.0592	0.9175
1563	36.6	35.7	1.8034	2.7877	0.3119	4.903	1.5415	-0.6738	0.1041	0.9718
1564	36	35.7	1.8125	2.7774	0.3105	4.9004	1.4992	-0.6518	0.1035	0.9509
1565	35.4	35.5	1.8177	2.7712	0.3084	4.8972	1.4686	-0.6245	0.1242	0.9683
1566	35.8	35.4	1.8107	2.776	0.3063	4.893	1.4355	-0.6552	0.1233	0.9036
1567	35.7	35.2	1.8068	2.777	0.3071	4.8909	1.3239	-0.4881	0.1533	0.9892
1568	35.7	35.1	1.8033	2.7804	0.307	4.8906	1.2702	-0.4579	0.165	0.9773
1569	36.1	35.1	1.794	2.7833	0.3108	4.8882	1.3509	-0.5075	0.125	0.9683
1570	36.6	35	1.7938	2.785	0.3083	4.8871	1.375	-0.5446	0.121	0.9514
1571	34.4	34.9	1.7943	2.7839	0.3089	4.8871	1.296	-0.4363	0.0872	0.9468
1572	34.5	34.8	1.795	2.7802	0.3111	4.8863	1.2894	-0.4376	0.1227	0.9745
1573	34.1	34.7	1.7834	2.7935	0.3074	4.8843	1.3269	-0.46	0.1103	0.9772
1574	32.7	34.5	1.7754	2.7995	0.3098	4.8846	1.282	-0.4327	0.1033	0.9526
1575	33.9	34.5	1.7695	2.8084	0.3081	4.8859	1.1905	-0.4174	0.1698	0.9429
1576	33.7	34.5	1.7621	2.8136	0.3077	4.8833	1.1275	-0.3994	0.1982	0.9263
1577	34.3	34.4	1.7634	2.8081	0.3116	4.8832	1.0974	-0.3461	0.1836	0.935
1578	33.6	34.3	1.7705	2.7997	0.3125	4.8827	1.3487	-0.7318	0.2487	0.8656
1579	34	34.1	1.7679	2.8021	0.3127	4.8828	1.4936	-0.8513	0.2765	0.9188
1580	34.3	34	1.7674	2.8055	0.3108	4.8837	1.4264	-0.8531	0.3732	0.9465
1581	34.1	34.1	1.7693	2.8	0.3114	4.8807	1.1927	-0.5699	0.3081	0.931
1582	33.8	34.1	1.7649	2.8018	0.314	4.8807	1.2093	-0.59	0.323	0.9423

1583	33.6	34	1.7591	2.8062	0.3149	4.8802	1.2072	-0.5854	0.3215	0.9433
1584	35.4	34	1.7573	2.8078	0.3144	4.8795	1.1931	-0.6083	0.3566	0.9413
1585	34.8	34	1.7666	2.7968	0.3141	4.8775	1.1494	-0.6232	0.3966	0.9229
1586	34	34	1.7663	2.796	0.3144	4.8767	1.0276	-0.5304	0.4152	0.9124
1587	33.2	34	1.7648	2.8005	0.3089	4.8742	0.9783	-0.488	0.4199	0.9102
1588	33.3	34.1	1.7639	2.7994	0.3097	4.873	1.0068	-0.4746	0.3898	0.9219
1589	34.5	34.2	1.7682	2.7954	0.3098	4.8735	0.9958	-0.4775	0.3752	0.8935
1590	35.5	34.2	1.764	2.7996	0.3084	4.872	0.9133	-0.4358	0.3867	0.8642
1591	34.6	34.3	1.7576	2.8044	0.3089	4.8708	0.9458	-0.4517	0.3708	0.8649
1592	33	34.4	1.7553	2.8054	0.3093	4.8701	0.9055	-0.4545	0.4137	0.8648
1593	33.1	34.5	1.7574	2.8014	0.3112	4.87	0.8838	-0.4342	0.4516	0.9012
1594	33.4	34.5	1.7615	2.7981	0.3067	4.8662	0.7751	-0.3269	0.4693	0.9175
1595	34.6	34.4	1.7601	2.8014	0.3043	4.8658	1.0064	-0.3085	0.2203	0.9182
1596	34.2	34.4	1.7561	2.8048	0.3057	4.8666	0.9625	-0.3057	0.2846	0.9414
1597	34.3	34.5	1.7408	2.8145	0.3096	4.8649	1.0311	-0.428	0.3473	0.9504
1598	36	34.5	1.7405	2.8148	0.3083	4.8636	1.0489	-0.4522	0.3649	0.9616
1599	35.4	34.5	1.7411	2.8159	0.3067	4.8637	0.8912	-0.3024	0.3472	0.936
1600	34.7	34.3	1.7358	2.8201	0.3067	4.8627	0.7302	-0.1355	0.3181	0.9128
1601	36.4	34.2	1.7413	2.8125	0.3078	4.8617	0.6777	-0.1183	0.3377	0.8971
1602	35.1	34.2	1.7418	2.8121	0.3075	4.8614	0.7044	-0.1078	0.3426	0.9392
1603	34.8	34.2	1.7518	2.8016	0.309	4.8624	0.6474	-0.0525	0.3393	0.9342
1604	34	34.3	1.7528	2.8028	0.3084	4.864	0.7055	-0.0727	0.2941	0.9269
1605	34.3	34.2	1.7653	2.7866	0.3107	4.8626	0.7035	-0.0989	0.3211	0.9258
1606	34.1	34.1	1.7554	2.7945	0.3119	4.8619	0.6359	-0.1125	0.3743	0.8976
1607	33.6	34	1.7466	2.8022	0.3119	4.8606	0.7389	-0.1909	0.3859	0.934
1608	34.3	33.9	1.7403	2.8069	0.3101	4.8574	0.8263	-0.3012	0.3923	0.9174
1609	32.6	33.8	1.7562	2.7912	0.3109	4.8583	0.786	-0.2264	0.3872	0.9469
1610	32.4	33.7	1.753	2.791	0.3144	4.8584	0.7277	-0.1416	0.3728	0.959
1611	33.5	33.7	1.7487	2.795	0.3152	4.8589	0.7003	-0.1088	0.3563	0.9478
1612	32.9	33.7	1.7442	2.8021	0.3106	4.857	0.6651	-0.0727	0.3455	0.9378
1613	34.4	33.7	1.7424	2.8089	0.3075	4.8588	0.6449	-0.0949	0.3841	0.9341
1614	32	33.6	1.7361	2.8118	0.3072	4.8551	0.6785	-0.1403	0.4139	0.9521
1615	33.2	33.5	1.7354	2.8097	0.3091	4.8542	0.8487	-0.2811	0.3943	0.9619
1616	33.3	33.4	1.7528	2.7904	0.31	4.8532	1.1347	-0.3961	0.2021	0.9407
1617	33.1	33.4	1.7462	2.7977	0.3088	4.8526	0.9841	-0.1806	0.0913	0.8947
1618	33.3	33.3	1.7364	2.8036	0.3119	4.8519	0.9033	-0.1518	0.1556	0.9071
1619	34	33.4	1.7405	2.8008	0.3117	4.8529	0.9064	-0.1715	0.195	0.9299

1620	34.8	33.5	1.7523	2.7902	0.3099	4.8524	0.8255	-0.1487	0.2432	0.92
1621	35	33.5	1.7472	2.7929	0.308	4.8481	0.8169	-0.135	0.2332	0.9151
1622	34.9	33.6	1.7396	2.7964	0.3105	4.8466	0.8303	-0.1473	0.2459	0.9289
1623	33.2	33.6	1.7418	2.7968	0.3091	4.8478	0.794	-0.0876	0.2446	0.9509
1624	32.1	33.7	1.7475	2.7966	0.3034	4.8475	0.689	0.0024	0.2405	0.932
1625	32.8	33.7	1.7476	2.799	0.3009	4.8475	0.6241	0.0855	0.2548	0.9644
1626	32.4	33.7	1.7486	2.8009	0.2958	4.8453	0.5814	0.1692	0.2223	0.9729
1627	33.2	33.7	1.7518	2.8039	0.2879	4.8436	0.5112	0.2035	0.2434	0.9581
1628	34.6	33.7	1.7512	2.8074	0.285	4.8436	0.5447	0.1458	0.2754	0.966
1629	34.2	33.6	1.7542	2.8047	0.2828	4.8417	0.6778	0.0363	0.254	0.9681
1630	33.8	33.6	1.7771	2.783	0.2821	4.8422	0.5836	0.0972	0.2578	0.9385
1631	34.4	33.4	1.7712	2.7914	0.2789	4.8415	0.544	0.1397	0.2642	0.948
1632	33.8	33.3	1.7652	2.7973	0.2774	4.84	0.6132	0.0379	0.2837	0.9347
1633	33.6	33.2	1.7611	2.8032	0.2746	4.8389	0.568	0.0722	0.2997	0.9398
1634	33.1	33.2	1.7571	2.8082	0.2733	4.8386	0.5703	0.0809	0.3093	0.9604
1635	33.6	33.2	1.7663	2.7976	0.2738	4.8377	0.5536	0.1296	0.2938	0.977
1636	33.1	33.3	1.7721	2.79	0.2739	4.836	0.6142	0.0285	0.3067	0.9494
1637	33.1	33.3	1.7662	2.7944	0.2736	4.8342	0.6631	-0.0121	0.317	0.9679
1638	33.7	33.2	1.763	2.7998	0.272	4.8348	0.7191	-0.0342	0.2774	0.9623
1639	33.1	33.1	1.7683	2.7956	0.2696	4.8335	0.7474	-0.1147	0.285	0.9177
1640	31.7	33.1	1.7632	2.8	0.2709	4.8341	0.8394	-0.1811	0.2904	0.9487
1641	33.4	33.1	1.7577	2.8075	0.2687	4.8339	0.8525	-0.1925	0.2931	0.9531
1642	30.5	33.1	1.7605	2.8084	0.2632	4.832	0.8183	-0.1433	0.2714	0.9464
1643	33.3	33	1.7646	2.7968	0.2673	4.8288	0.8018	-0.1025	0.2491	0.9483
1644	32.7	32.9	1.7365	2.8008	0.2922	4.8295	0.9035	-0.1831	0.244	0.9644
1645	33.5	32.9	1.7369	2.8045	0.2864	4.8279	0.9832	-0.2865	0.2377	0.9343
1646	32.9	32.9	1.7358	2.8092	0.2812	4.8261	1.0367	-0.2992	0.2075	0.945
1647	33.2	32.9	1.7344	2.8111	0.2786	4.8241	1.0377	-0.3001	0.2155	0.9531
1648	33.1	32.7	1.7459	2.8012	0.2779	4.8251	0.739	-0.0578	0.2626	0.9438
1649	33.5	32.8	1.7603	2.7872	0.2768	4.8243	0.8569	-0.0785	0.1374	0.9158
1650	33.6	32.9	1.7591	2.7887	0.2754	4.8232	0.9402	-0.0939	0.1171	0.9634
1651	33.6	32.8	1.759	2.7869	0.2753	4.8212	0.8455	0.0045	0.0843	0.9342
1652	31.6	32.9	1.764	2.7801	0.2752	4.8193	0.9598	-0.1214	0.1017	0.9402
1653	32.2	32.9	1.7563	2.7809	0.2786	4.8158	0.9668	-0.0941	0.0886	0.9613
1654	33.3	32.9	1.7519	2.7868	0.2757	4.8144	1.0123	-0.1068	0.068	0.9735
1655	32.4	32.9	1.7519	2.7894	0.2739	4.8153	1.0706	-0.1395	0.0653	0.9965
1656	32.9	33	1.7501	2.7907	0.273	4.8138	1.2193	-0.3472	0.1225	0.9945

1657	31.6	33.1	1.7447	2.795	0.2751	4.8148	0.9921	-0.1805	0.1893	1.0009
1658	34	33.1	1.7467	2.7911	0.2745	4.8122	0.8124	-0.0084	0.2005	1.0044
1659	33.5	33.1	1.746	2.7871	0.2765	4.8096	0.7586	0.0196	0.1865	0.9648
1660	32.6	33.1	1.7435	2.7883	0.2786	4.8104	0.9351	-0.1573	0.2016	0.9795
1661	32.2	33.1	1.7413	2.7902	0.2795	4.811	0.9343	-0.1838	0.2334	0.9839
1662	32.2	33.2	1.7389	2.7959	0.2754	4.8101	0.8629	-0.0954	0.2292	0.9967
1663	33.3	33.1	1.7356	2.8017	0.2705	4.8078	0.9397	-0.1213	0.1781	0.9965
1664	34.2	33.1	1.7276	2.8055	0.2711	4.8042	0.95	-0.0518	0.1026	1.0008
1665	33.7	33.1	1.7042	2.8108	0.2882	4.8032	0.9023	-0.0067	0.0836	0.9792
1666	34.6	33.1	1.7123	2.794	0.2972	4.8035	0.8045	0.1056	0.0708	0.981
1667	33.5	33.1	1.7165	2.7922	0.2915	4.8002	1.0166	-0.1108	0.0705	0.9763
1668	34.7	33	1.7126	2.7975	0.2875	4.7976	0.9876	-0.0794	0.0643	0.9724
1669	32.8	32.9	1.7114	2.7982	0.2865	4.7962	0.8885	-0.0542	0.1381	0.9724
1670	32.9	32.9	1.7121	2.7985	0.285	4.7956	0.9252	-0.068	0.1157	0.9729
1671	33.6	33	1.7113	2.7987	0.2843	4.7942	1.0421	-0.1199	0.0584	0.9806
1672	31.8	33.1	1.7156	2.7889	0.2867	4.7912	1.0206	-0.1253	0.0683	0.9636
1673	32.3	33.1	1.7145	2.7932	0.2833	4.7911	0.9417	-0.1206	0.1306	0.9517
1674	32.5	33	1.7129	2.7909	0.2843	4.7882	0.9364	-0.0308	0.0669	0.9725
1675	31.9	32.9	1.7113	2.7914	0.2859	4.7886	1.0106	-0.0325	-0.0012	0.9769
1676	31.7	32.7	1.711	2.7932	0.2833	4.7875	1.0409	-0.048	0.0133	1.0061
1677	32.2	32.6	1.709	2.7935	0.2841	4.7866	1.0518	-0.0501	-0.0308	0.971
1678	32.9	32.3	1.7027	2.7961	0.2871	4.7859	1.1447	-0.0231	-0.1462	0.9754
1679	32.3	32.1	1.7095	2.7924	0.287	4.7889	1.1666	-0.0028	-0.1977	0.9661
1680	33.7	32	1.713	2.7916	0.2844	4.7889	1.186	-0.0248	-0.2159	0.9453
1681	33.4	31.8	1.708	2.7963	0.283	4.7872	1.3585	-0.17	-0.2245	0.9641
1682	34.5	31.7	1.7081	2.7946	0.2841	4.7867	1.311	-0.0877	-0.2626	0.9607
1683	30.9	31.6	1.7021	2.7981	0.284	4.7842	1.2598	-0.0531	-0.2419	0.9648
1684	32.2	31.6	1.702	2.7948	0.285	4.7818	1.1834	0.0373	-0.2418	0.979
1685	30.9	31.6	1.7052	2.7939	0.2834	4.7825	1.1037	0.1298	-0.2297	1.0038
1686	31.4	31.5	1.7	2.7972	0.2827	4.7799	1.1734	0.038	-0.2159	0.9954
1687	29.5	31.5	1.6929	2.8039	0.2811	4.778	1.2314	-0.0505	-0.1934	0.9874
1688	29.9	31.3	1.6891	2.8109	0.2812	4.7812	1.1651	0.0596	-0.238	0.9867
1689	30.4	31.3	1.6843	2.8135	0.2808	4.7786	1.1392	0.1125	-0.2572	0.9946
1690	29.2	31.2	1.6787	2.8189	0.2791	4.7767	1.1681	0.1409	-0.3128	0.9962
1691	29.3	31	1.6758	2.8187	0.2817	4.7762	1.1737	0.1351	-0.3099	0.9989
1692	31.3	30.8	1.6751	2.8157	0.2844	4.7752	1.1176	0.2199	-0.3289	1.0086
1693	32.7	30.7	1.667	2.8197	0.2868	4.7735	1.0779	0.2814	-0.3611	0.9981

1694	31.2	30.7	1.6631	2.8267	0.2829	4.7728	1.1254	0.1294	-0.2848	0.97
1695	31	30.7	1.6565	2.8313	0.2835	4.7713	0.8534	0.1582	-0.0293	0.9823
1696	30.7	30.6	1.6523	2.8348	0.2842	4.7713	0.848	0.2453	-0.1038	0.9895
1697	30.1	30.6	1.6669	2.8203	0.2833	4.7705	0.835	0.3074	-0.1394	1.0031
1698	31.8	30.5	1.6548	2.8226	0.2946	4.772	0.8347	0.286	-0.1651	0.9556
1699	31.7	30.5	1.6471	2.8253	0.295	4.7673	1.0069	0.1385	-0.1661	0.9793
1700	30.1	30.7	1.6513	2.8197	0.2983	4.7692	1.1733	-0.0303	-0.1749	0.968
1701	29.9	30.8	1.6453	2.8247	0.2976	4.7676	1.1301	0.0623	-0.2297	0.9627
1702	30.8	30.8	1.6451	2.8215	0.2986	4.7653	1.139	0.0632	-0.2565	0.9457
1703	31.1	30.7	1.6506	2.8123	0.3022	4.7651	1.2225	-0.0162	-0.2961	0.9102
1704	30.2	30.7	1.6457	2.8168	0.3018	4.7643	1.1884	-0.0017	-0.3072	0.8794
1705	29.8	30.8	1.6433	2.8213	0.2985	4.7632	1.1415	0.0406	-0.3228	0.8593
1706	29.5	30.8	1.6562	2.8126	0.293	4.7618	1.1558	0.0353	-0.3065	0.8846
1707	29.1	30.9	1.6653	2.803	0.2918	4.7602	1.1126	0.0579	-0.3075	0.8629
1708	30	31	1.6644	2.805	0.2915	4.7609	1.0466	0.0931	-0.2523	0.8874
1709	32.7	31	1.6627	2.8069	0.2907	4.7604	1.0751	0.0972	-0.2779	0.8944
1710	30.6	31	1.6596	2.8094	0.291	4.76	1.057	0.1187	-0.3213	0.8544
1711	32.4	31.1	1.6624	2.8046	0.2922	4.7592	0.9789	0.2382	-0.3582	0.859
1712	30.7	31.1	1.6503	2.8142	0.2928	4.7573	0.9102	0.3069	-0.3484	0.8687
1713	31.7	31.2	1.6474	2.814	0.2973	4.7587	0.8981	0.3733	-0.394	0.8774
1714	31.3	31.2	1.6458	2.8125	0.2989	4.7572	0.8298	0.4368	-0.415	0.8517
1715	31.8	31.3	1.6549	2.7992	0.302	4.7561	0.7142	0.4607	-0.3551	0.8198
1716	32.7	31.5	1.6512	2.8015	0.3029	4.7556	0.4812	0.5036	-0.1684	0.8164
1717	32.3	31.6	1.6474	2.8056	0.3024	4.7554	0.5814	0.3361	-0.0975	0.82
1718	31.2	31.7	1.6476	2.809	0.2981	4.7547	0.6722	0.3218	-0.193	0.801
1719	30.7	31.6	1.648	2.8076	0.3001	4.7557	0.7057	0.3746	-0.3028	0.7774
1720	31.5	31.7	1.6481	2.8022	0.3041	4.7544	0.6106	0.5039	-0.3441	0.7703
1721	32.1	31.6	1.6451	2.8055	0.3012	4.7517	0.6198	0.4814	-0.3228	0.7783
1722	31.9	31.6	1.6455	2.8085	0.2975	4.7514	0.6148	0.518	-0.3737	0.7591
1723	31.4	31.6	1.6482	2.7999	0.3024	4.7505	0.6396	0.4521	-0.3606	0.7311
1724	31	31.6	1.6465	2.7999	0.3035	4.7499	0.5668	0.5631	-0.3851	0.7448
1725	32.5	31.6	1.6435	2.8038	0.2995	4.7469	0.5421	0.5274	-0.3345	0.735
1726	31.9	31.5	1.6434	2.8059	0.2989	4.7482	0.5244	0.4963	-0.2769	0.7438
1727	31.9	31.5	1.6373	2.8062	0.3026	4.7461	0.5284	0.4865	-0.2703	0.7446
1728	30.9	31.5	1.6345	2.8077	0.3048	4.747	0.5285	0.4865	-0.273	0.7419
1729	31.9	31.6	1.6356	2.8072	0.3044	4.7471	0.4784	0.5279	-0.2695	0.7368
1730	31.8	31.5	1.6412	2.8	0.3046	4.7458	0.5028	0.4915	-0.2283	0.766

1731	30.6	31.5	1.6401	2.8002	0.3052	4.7454	0.5529	0.4686	-0.2305	0.791
1732	30.1	31.4	1.6392	2.8026	0.3016	4.7435	0.5465	0.4903	-0.2502	0.7866
1733	31.6	31.4	1.6428	2.7994	0.2988	4.741	0.5531	0.5144	-0.2757	0.7918
1734	31.9	31.3	1.6467	2.7952	0.2962	4.7382	0.5632	0.513	-0.282	0.7942
1735	31.9	31.2	1.649	2.7938	0.2954	4.7382	0.517	0.4702	-0.2462	0.741
1736	31.3	31.2	1.649	2.7951	0.2932	4.7373	0.5373	0.4771	-0.2275	0.7869
1737	31.7	31.1	1.6497	2.7884	0.2974	4.7355	0.4924	0.5134	-0.2293	0.7765
1738	31.5	31	1.6491	2.7886	0.2977	4.7354	0.3628	0.6472	-0.2319	0.7781
1739	30.5	30.9	1.6514	2.7816	0.3009	4.7339	0.3185	0.7817	-0.2516	0.8486
1740	31.7	30.7	1.6458	2.7865	0.3019	4.7342	0.2973	0.8	-0.3002	0.7971
1741	30.6	30.6	1.6459	2.7855	0.3016	4.733	0.2941	0.8322	-0.343	0.7834
1742	30.2	30.6	1.6527	2.7802	0.2993	4.7322	0.2725	0.7989	-0.2712	0.8002
1743	29.9	30.5	1.6521	2.7839	0.2958	4.7318	0.2336	0.7675	-0.2024	0.7987
1744	30.7	30.3	1.6512	2.785	0.2951	4.7313	0.1009	0.8838	-0.2083	0.7764
1745	31.3	30.1	1.6521	2.78	0.2968	4.7289	0.0535	1.0109	-0.3072	0.7572
1746	30.3	30	1.6523	2.7785	0.2951	4.7258	0.0331	1.0616	-0.345	0.7496
1747	30.1	29.9	1.6509	2.7825	0.2951	4.7285	0.0073	1.0919	-0.3519	0.7472
1748	28.8	29.7	1.6452	2.7874	0.2945	4.7272	0.2015	0.9038	-0.3598	0.7455
1749	28.7	29.7	1.643	2.7902	0.2943	4.7275	0.1021	0.9186	-0.2631	0.7576
1750	29.4	29.6	1.6461	2.7825	0.2984	4.7269	0.017	0.9085	-0.201	0.7245
1751	29.6	29.6	1.6451	2.7806	0.3009	4.7267	0.0293	0.8587	-0.1427	0.7453
1752	29	29.6	1.6417	2.7818	0.3048	4.7283	-0.0302	0.9178	-0.1511	0.7366
1753	28.4	29.6	1.6374	2.7811	0.3093	4.7278	-0.0327	0.8949	-0.1424	0.7198
1754	29	29.6	1.6378	2.7827	0.308	4.7285	0.0232	0.8088	-0.1067	0.7253
1755	28.2	29.6	1.6363	2.7859	0.3046	4.7268	-0.0269	0.8641	-0.1121	0.7251
1756	29.6	29.7	1.6388	2.7849	0.3038	4.7275	-0.0525	0.9214	-0.1483	0.7206
1757	28.7	29.7	1.64	2.7857	0.3003	4.726	0.0841	0.8379	-0.2086	0.7133
1758	29.6	29.9	1.6392	2.7813	0.3023	4.7228	0.1828	0.7441	-0.2232	0.7037
1759	30.6	30	1.6403	2.7753	0.3086	4.7242	0.1751	0.7736	-0.2293	0.7193
1760	30.2	30	1.6456	2.7645	0.3144	4.7245	0.1583	0.8031	-0.2401	0.7213
1761	30.1	30	1.6503	2.7595	0.3144	4.7241	0.1253	0.8396	-0.2394	0.7255
1762	30.9	30	1.649	2.7586	0.3148	4.7223	0.1584	0.7952	-0.2286	0.725
1763	30.8	30.1	1.6526	2.758	0.312	4.7227	0.0221	0.9136	-0.2244	0.7113
1764	30.9	30	1.6562	2.7594	0.3066	4.7222	-0.011	0.9223	-0.1759	0.7354
1765	30.9	30.1	1.6561	2.7605	0.305	4.7215	-0.0292	0.9147	-0.1594	0.7261
1766	31.2	30.1	1.6542	2.7604	0.3069	4.7215	0.0778	0.769	-0.1243	0.7225
1767	31.4	30.1	1.6493	2.76	0.3108	4.7201	0.034	0.806	-0.1151	0.7249

1768	31.5	30.1	1.6421	2.7601	0.3177	4.7199	-0.0112	0.8652	-0.123	0.731
1769	28.9	30	1.6504	2.7478	0.3209	4.7191	-0.0095	0.9175	-0.177	0.7309
1770	30.3	30.1	1.6502	2.7503	0.3172	4.7177	-0.0046	0.9112	-0.1542	0.7524
1771	29.6	30.1	1.6498	2.7469	0.3217	4.7183	-0.0031	0.8549	-0.1064	0.7455
1772	29.2	30.2	1.6517	2.7437	0.3227	4.7181	-0.0407	0.9071	-0.1445	0.7219
1773	28.3	30.1	1.6579	2.7369	0.3218	4.7166	-0.0369	0.9573	-0.1937	0.7267
1774	28.9	30.1	1.6587	2.7382	0.3178	4.7147	-0.0016	0.8584	-0.1319	0.725
1775	29.1	30.1	1.6589	2.7418	0.3136	4.7143	-0.0244	0.8695	-0.1195	0.7255
1776	29.2	29.9	1.6581	2.7446	0.3104	4.7131	-0.064	0.9332	-0.1738	0.6953
1777	30.1	29.8	1.6561	2.7449	0.3114	4.7124	-0.0667	0.9741	-0.1849	0.7226
1778	29.1	29.7	1.6549	2.7433	0.314	4.7122	-0.1511	0.9917	-0.1373	0.7033
1779	30.8	29.7	1.6593	2.7433	0.3098	4.7123	-0.1915	1.0261	-0.1087	0.7259
1780	30.9	29.7	1.6577	2.7447	0.3074	4.7098	-0.1796	1.0333	-0.1155	0.7382
1781	32.2	29.7	1.6533	2.7472	0.3081	4.7086	-0.1013	0.9456	-0.1144	0.73
1782	30.2	29.7	1.6528	2.7431	0.3116	4.7076	-0.1192	0.9618	-0.1074	0.7352
1783	30.5	29.7	1.6457	2.7468	0.3122	4.7047	-0.1337	1.0124	-0.161	0.7176
1784	30.7	29.7	1.6503	2.7478	0.3096	4.7077	-0.083	0.9797	-0.2063	0.6905
1785	27.6	29.8	1.6514	2.7462	0.3062	4.7038	-0.0244	0.931	-0.2475	0.6591
1786	28.6	29.8	1.6508	2.7459	0.3056	4.7023	0.0103	0.9235	-0.2649	0.6689
1787	29.6	29.9	1.6566	2.7392	0.3043	4.7002	0.0104	0.9571	-0.3022	0.6653
1788	29.2	29.9	1.6573	2.7327	0.3064	4.6964	0.021	0.8672	-0.241	0.6473
1789	30.1	30	1.6545	2.7335	0.3108	4.6989	0.0117	0.8836	-0.2399	0.6554
1790	29.2	30	1.6493	2.7356	0.3134	4.6984	0.051	0.7829	-0.1922	0.6416
1791	29.6	29.9	1.6485	2.7388	0.3088	4.6962	-0.0423	0.8784	-0.1782	0.6579
1792	29.2	29.8	1.6518	2.7389	0.3047	4.6954	-0.0409	0.877	-0.1864	0.6497
1793	29.2	29.9	1.657	2.7313	0.3077	4.6959	0.0747	0.8002	-0.2293	0.6457
1794	30	30.1	1.6578	2.7257	0.3136	4.6971	0.066	0.8784	-0.2941	0.6503
1795	29.4	30.1	1.6531	2.7252	0.318	4.6964	0.0503	0.9146	-0.3117	0.6533
1796	31.3	30.3	1.6516	2.7256	0.3194	4.6965	0.0686	0.8404	-0.2872	0.6217
1797	30.9	30.6	1.6468	2.7299	0.3193	4.696	0.0731	0.8269	-0.324	0.576
1798	31.4	31	1.6446	2.7308	0.3209	4.6963	0.048	0.9185	-0.3291	0.6375
1799	30.3	31	1.6454	2.7345	0.3151	4.6949	-0.0594	1.0303	-0.347	0.6239
1800	31.1	31.1	1.6483	2.7338	0.3126	4.6947	-0.1048	1.1063	-0.359	0.6425