Test Name	**HPL, MW, rep 2**
Cladding	**High Pressure Laminate (HPL)**
Cladding Thickness [mm]	**8**
Insulation	**Mineral Wool (MW)**
Insulation Thickness [mm]	**100**
Cavity Width [mm]	**50**
Repetition Number	**2**
Mass Flow Rate (Propane)	**0.2**
Description	This experiment is on a system consisting of a High Pressure Laminate (HPL) cladding panel and a Mineral Wool (MW) insulation panel, separated with a cavity of 50 mm width. It is the second repetition of this system configuration.
Experiment Notes	At approximately 8 minutes the HPL panel began to touch the insulation panel, affecting the mass measurements.
Peak HRR [kW]	**78.9**
Time to Peak HRR [mins]	**9.05**
Residual HRR [kW]	**22.9**
Total HR [MJ]	**74.3**
Peak dQ/dt [kW/s]	**0.451**
Time to Peak dQ/dt [s]	**7.83**

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	-0.319	-0.319	6.9528	2.8087	-0.0014	9.7601	0.2841	0.2017	0.0126	0.4984
1	0.0836	-0.0269	6.9525	2.8088	-0.0008	9.7605	0.2887	0.1976	0.0125	0.4988
2	0.155	0.105	6.9523	2.8077	-0.0007	9.7593	0.2877	0.1976	0.0133	0.4987
3	0.229	0.212	6.9519	2.8067	-0.0008	9.7578	0.2885	0.2028	0.0095	0.5007
4	0.378	0.283	6.9525	2.806	-0.0008	9.7577	0.2872	0.1963	0.0086	0.4921
5	0.48	0.435	6.9524	2.805	-0.0007	9.7567	0.2854	0.1913	0.0087	0.4854
6	0.48	0.689	6.9521	2.8045	-0.0007	9.7559	0.2861	0.1837	0.0087	0.4785
7	0.488	1.11	6.952	2.8039	-0.0008	9.7552	0.2861	0.1767	0.0081	0.4709
8	0.576	1.62	6.9518	2.8036	-0.0009	9.7544	0.2789	0.1737	0.0087	0.4613
9	0.925	2.14	6.9517	2.8031	-0.001	9.7538	0.2715	0.1753	0.0089	0.4557
10	1.31	2.52	6.9514	2.803	-0.0009	9.7535	0.2718	0.1795	0.0105	0.4618
11	1.68	2.89	6.9512	2.8029	-0.0008	9.7533	0.2712	0.1748	0.0118	0.4577
12	2.49	3.26	6.951	2.8027	-0.0009	9.7527	0.2708	0.1708	0.0104	0.4521
13	3.38	3.65	6.9505	2.8025	-0.001	9.752	0.2662	0.1722	0.0116	0.4499
14	4.29	4.02	6.9503	2.8023	-0.001	9.7516	0.2648	0.1749	0.012	0.4517
15	5.25	4.4	6.9499	2.802	-0.001	9.7508	0.2663	0.1703	0.0135	0.4502
16	5.74	4.79	6.9493	2.8019	-0.0011	9.7501	0.2714	0.1714	0.015	0.4577
17	6.18	5.2	6.9489	2.8018	-0.0012	9.7495	0.2776	0.1775	0.0153	0.4704
18	6.8	5.61	6.9486	2.8014	-0.0013	9.7487	0.2838	0.1799	0.0163	0.48
19	7.03	6.02	6.9481	2.8011	-0.0013	9.748	0.2944	0.1831	0.0163	0.4939
20	6.99	6.4	6.948	2.8011	-0.0013	9.7478	0.3142	0.1867	0.0175	0.5185
21	7.26	6.78	6.948	2.8008	-0.0013	9.7475	0.3159	0.1957	0.0159	0.5275
22	7.63	7.13	6.9476	2.801	-0.0013	9.7473	0.3166	0.1961	0.0154	0.528
23	7.36	7.42	6.9474	2.8008	-0.0013	9.7469	0.3258	0.1904	0.0141	0.5304
24	7.77	7.66	6.9472	2.8005	-0.0013	9.7464	0.331	0.1855	0.0144	0.531
25	7.9	7.85	6.9469	2.8001	-0.0012	9.7458	0.3355	0.181	0.0144	0.5309
26	8.17	8.02	6.9466	2.8001	-0.0013	9.7455	0.3375	0.1788	0.0135	0.5299
27	8.42	8.14	6.9462	2.7999	-0.0013	9.7448	0.3405	0.1741	0.0125	0.5271
28	8.81	8.24	6.9462	2.7995	-0.0013	9.7443	0.3446	0.1665	0.0109	0.5219

29	8.39	8.34	6.9463	2.7994	-0.0014	9.7443	0.3464	0.1562	0.0082	0.5108
30	8.95	8.43	6.9463	2.7994	-0.0013	9.7444	0.3499	0.1473	0.0066	0.5039
31	9.17	8.53	6.9464	2.7994	-0.0013	9.7445	0.3526	0.1446	0.0039	0.5011
32	8.89	8.58	6.9465	2.7991	-0.0013	9.7443	0.3565	0.148	0.0028	0.5073
33	8.73	8.67	6.9466	2.7991	-0.0013	9.7444	0.3615	0.1432	0.0024	0.5072
34	8.96	8.76	6.9466	2.7989	-0.0013	9.7442	0.3665	0.1362	0.0015	0.5041
35	8.89	8.85	6.9464	2.7994	-0.0012	9.7446	0.3735	0.1297	0.0015	0.5047
36	8.58	8.92	6.9462	2.7997	-0.0013	9.7445	0.3764	0.1269	0.0028	0.5061
37	8.63	8.96	6.9457	2.7999	-0.0016	9.7439	0.3733	0.1289	0.0053	0.5075
38	8.91	9	6.9448	2.8001	-0.0017	9.7432	0.373	0.1301	0.0069	0.51
39	8.73	9.04	6.9444	2.8001	-0.0017	9.7428	0.3749	0.1248	0.0091	0.5088
40	9.12	9.06	6.944	2.7999	-0.0018	9.7421	0.3756	0.1241	0.0092	0.509
41	8.72	9.05	6.9437	2.8001	-0.0018	9.742	0.3754	0.1285	0.0089	0.5128
42	8.92	9.07	6.9432	2.8004	-0.0018	9.7418	0.3772	0.1295	0.0068	0.5135
43	9.49	9.06	6.9428	2.8001	-0.0019	9.741	0.3794	0.1301	0.0068	0.5163
44	9.58	9.05	6.9427	2.7999	-0.0019	9.7408	0.3828	0.1282	0.0058	0.5169
45	9.55	9.04	6.9423	2.7999	-0.0018	9.7404	0.389	0.1265	0.0045	0.52
46	9.3	9.05	6.9416	2.7996	-0.0017	9.7394	0.3926	0.1256	0.0032	0.5214
47	9.42	9.05	6.941	2.7994	-0.0016	9.7388	0.3905	0.1241	0.0023	0.517
48	9.2	9.05	6.9411	2.7992	-0.0018	9.7384	0.39	0.1208	0.0023	0.5131
49	9.25	9.07	6.941	2.7995	-0.0018	9.7387	0.3888	0.1198	0.0014	0.51
50	9.12	9.06	6.9405	2.7995	-0.0018	9.7382	0.3851	0.1157	0.0023	0.5031
51	9.15	9.08	6.9402	2.7993	-0.0019	9.7377	0.3681	0.107	0.0021	0.4772
52	8.61	9.08	6.9399	2.7988	-0.0017	9.7371	0.3761	0.108	0.0091	0.4932
53	8.74	9.04	6.9397	2.799	-0.0016	9.737	0.3848	0.0971	0.0104	0.4923
54	8.67	9.02	6.9395	2.7991	-0.0017	9.7369	0.3874	0.0867	0.0114	0.4855
55	8.76	9.02	6.9392	2.7993	-0.0017	9.7368	0.4044	0.0796	0.0134	0.4974
56	8.7	9.03	6.9389	2.7995	-0.0016	9.7368	0.4163	0.0737	0.015	0.505
57	8.96	9.05	6.939	2.7995	-0.0017	9.7369	0.4301	0.0704	0.0157	0.5162
58	9.1	9.07	6.9392	2.7992	-0.0017	9.7367	0.4416	0.0696	0.0153	0.5265
59	8.95	9.1	6.9389	2.7988	-0.0018	9.7359	0.4548	0.0704	0.0151	0.5403
60	8.99	9.16	6.9387	2.7989	-0.0019	9.7357	0.4686	0.0709	0.0152	0.5547
61	8.92	9.2	6.9384	2.799	-0.0018	9.7356	0.4767	0.0782	0.0165	0.5713
62	8.79	9.32	6.9384	2.7987	-0.0019	9.7353	0.4846	0.0783	0.0144	0.5773
63	9.27	9.43	6.9383	2.7984	-0.0019	9.7347	0.4907	0.0787	0.0111	0.5805
64	9.5	9.55	6.9379	2.7985	-0.0021	9.7343	0.4948	0.0772	0.0085	0.5805
65	9.55	9.67	6.9373	2.7983	-0.0022	9.7334	0.5022	0.0762	0.0075	0.5858

66	9.63	9.77	6.9366	2.7977	-0.0022	9.7321	0.5084	0.0726	0.0065	0.5876
67	9.74	9.88	6.9359	2.7973	-0.0023	9.731	0.5117	0.0684	0.0053	0.5853
68	9.72	9.99	6.9349	2.7969	-0.0023	9.7295	0.5175	0.0682	0.0028	0.5885
69	10.3	10.1	6.9332	2.7965	-0.0024	9.7273	0.5234	0.0631	0.003	0.5895
70	9.87	10.2	6.9328	2.7957	-0.0023	9.7262	0.5394	0.0627	0.0022	0.6043
71	10.8	10.3	6.9324	2.7955	-0.0023	9.7256	0.5383	0.0536	0.0051	0.597
72	11	10.4	6.9314	2.7957	-0.0022	9.7249	0.5412	0.0487	0.0063	0.5962
73	11	10.5	6.9307	2.7958	-0.0022	9.7243	0.5455	0.0511	0.0077	0.6043
74	10.9	10.5	6.93	2.796	-0.0022	9.7238	0.5538	0.0507	0.009	0.6135
75	10.7	10.6	6.9296	2.796	-0.0022	9.7233	0.5639	0.0533	0.0084	0.6257
76	10.9	10.7	6.929	2.7962	-0.0021	9.723	0.5718	0.0551	0.0085	0.6354
77	11.3	10.7	6.9283	2.7966	-0.002	9.7229	0.5792	0.0614	0.0076	0.6482
78	10.8	10.8	6.9278	2.7972	-0.0018	9.7233	0.5815	0.0626	0.0052	0.6493
79	10.7	10.8	6.9272	2.7978	-0.0017	9.7233	0.5907	0.0645	0.002	0.6573
80	10.8	10.9	6.9267	2.7979	-0.0015	9.723	0.6011	0.0652	0.0027	0.669
81	10.8	11	6.926	2.7974	-0.0014	9.722	0.6129	0.0668	0.0006	0.6803
82	10.6	11	6.9252	2.7977	-0.0014	9.7215	0.6248	0.0643	-0.0013	0.6878
83	10.4	11.1	6.9244	2.7981	-0.0013	9.7213	0.6376	0.0581	-0.0016	0.6941
84	10.9	11.2	6.9235	2.7985	-0.0013	9.7207	0.6498	0.0521	-0.0005	0.7015
85	11	11.3	6.9228	2.7987	-0.0014	9.7201	0.6621	0.0474	0.0005	0.71
86	10.5	11.4	6.9227	2.7984	-0.0016	9.7195	0.671	0.0505	0.0017	0.7232
87	10.9	11.5	6.9224	2.7981	-0.0018	9.7187	0.6791	0.0543	0.0015	0.7349
88	11.3	11.7	6.9218	2.7985	-0.002	9.7183	0.6881	0.0556	-0.0013	0.7424
89	12.2	11.8	6.9214	2.7984	-0.002	9.7178	0.7408	0.0578	-0.0418	0.7568
90	11.9	12	6.921	2.7979	-0.002	9.7169	0.6993	0.0639	0.0016	0.7648
91	11.7	12.1	6.9205	2.7977	-0.0018	9.7164	0.699	0.0616	0.0051	0.7656
92	12.3	12.2	6.9199	2.7975	-0.0018	9.7156	0.7136	0.0655	-0.0005	0.7786
93	12.9	12.3	6.9192	2.7975	-0.0017	9.715	0.7241	0.066	-0.005	0.7851
94	13	12.4	6.9183	2.7976	-0.0016	9.7142	0.7318	0.0645	-0.006	0.7904
95	13	12.5	6.9175	2.7975	-0.0015	9.7136	0.742	0.0601	-0.0056	0.7965
96	13.2	12.6	6.9173	2.7975	-0.0014	9.7135	0.751	0.0553	-0.0041	0.8021
97	13.5	12.7	6.917	2.7977	-0.0014	9.7133	0.7563	0.0506	-0.0031	0.8037
98	13.8	12.9	6.9167	2.7977	-0.0013	9.7131	0.7642	0.0449	-0.0007	0.8084
99	13.5	13	6.9167	2.798	-0.0014	9.7133	0.7744	0.0441	-0.0024	0.816
100	12.9	13.1	6.916	2.798	-0.0016	9.7124	0.7836	0.0478	-0.0029	0.8285
101	13.1	13.3	6.9149	2.798	-0.0017	9.7112	0.7893	0.0471	-0.0008	0.8356
102	12.2	13.3	6.9139	2.798	-0.0018	9.7101	0.7986	0.0474	0.0004	0.8463

103	12.6	13.4	6.9132	2.798	-0.0019	9.7093	0.8078	0.0476	0.0019	0.8574
104	13.1	13.4	6.9121	2.798	-0.0021	9.708	0.8266	0.0541	0.0016	0.8823
105	13.2	13.5	6.9108	2.7977	-0.0022	9.7062	0.8445	0.0616	0.0009	0.9071
106	12.8	13.5	6.9091	2.7975	-0.0023	9.7042	0.8534	0.0667	-0.0008	0.9193
107	13.8	13.5	6.9078	2.797	-0.0023	9.7025	0.862	0.0758	-0.0057	0.9321
108	14.6	13.5	6.9063	2.7965	-0.0024	9.7004	0.8647	0.0845	-0.0045	0.9447
109	14.2	13.5	6.9048	2.796	-0.0025	9.6984	0.886	0.0833	-0.0058	0.9635
110	14.2	13.6	6.9037	2.7952	-0.0025	9.6964	0.8967	0.0729	-0.0071	0.9626
111	13.5	13.6	6.9027	2.7951	-0.0023	9.6955	0.9154	0.0711	-0.0098	0.9768
112	13.6	13.7	6.9019	2.7948	-0.002	9.6947	0.919	0.0733	-0.008	0.9843
113	14	13.8	6.901	2.7948	-0.0019	9.6939	0.9212	0.075	-0.008	0.9882
114	14	13.8	6.9001	2.7947	-0.0017	9.6931	0.9315	0.068	-0.0084	0.9911
115	13.9	13.8	6.8991	2.7947	-0.0017	9.6921	0.9455	0.067	-0.01	1.0025
116	13.6	13.8	6.8982	2.795	-0.0016	9.6916	0.9559	0.0606	-0.0122	1.0042
117	13.6	13.8	6.8971	2.795	-0.0015	9.6906	0.9611	0.05	-0.0123	0.9988
118	14.3	13.8	6.8962	2.7951	-0.0016	9.6897	0.9683	0.0494	-0.0128	1.0048
119	14.2	13.8	6.8942	2.7949	-0.0015	9.6875	0.9645	0.0446	-0.0112	0.9979
120	13.6	13.8	6.8942	2.7957	-0.0018	9.6881	0.9581	0.049	-0.012	0.9951
121	13.7	13.8	6.8938	2.7959	-0.0019	9.6879	0.9709	0.0334	-0.0102	0.994
122	13.3	13.9	6.8931	2.7959	-0.0021	9.6869	0.9897	0.0283	-0.0116	1.0063
123	13.5	14	6.892	2.7958	-0.0022	9.6856	1.0003	0.0343	-0.01	1.0246
124	13.7	14	6.8908	2.7952	-0.0021	9.6838	1.0101	0.0358	-0.012	1.0338
125	13.7	14	6.8898	2.7946	-0.0021	9.6823	1.0186	0.034	-0.0135	1.0391
126	13.7	14.1	6.8887	2.794	-0.002	9.6807	1.032	0.0316	-0.0126	1.051
127	13.8	14.2	6.8881	2.7936	-0.0018	9.6799	1.0525	0.0327	-0.0152	1.07
128	13.7	14.2	6.8871	2.793	-0.0015	9.6786	1.0591	0.0361	-0.0103	1.0848
129	14.5	14.1	6.8862	2.7929	-0.0017	9.6774	1.0765	0.0423	-0.0091	1.1098
130	14.4	14.2	6.885	2.7927	-0.0014	9.6764	1.0902	0.0488	-0.0061	1.133
131	15.6	14.2	6.8839	2.7929	-0.0012	9.6757	1.1017	0.0481	-0.0094	1.1403
132	15	14.3	6.8827	2.7933	-0.0011	9.6749	1.1074	0.0478	-0.0118	1.1434
133	14.7	14.4	6.8816	2.7938	-0.0012	9.6742	1.1164	0.0522	-0.011	1.1575
134	14.4	14.5	6.8803	2.7942	-0.0013	9.6732	1.1178	0.057	-0.0118	1.163
135	14.7	14.5	6.8793	2.7943	-0.0014	9.6723	1.1072	0.0619	-0.0135	1.1557
136	14.8	14.6	6.8783	2.7942	-0.0015	9.671	1.0951	0.0663	-0.0152	1.1463
137	14.1	14.7	6.8769	2.7943	-0.0015	9.6697	1.0997	0.0626	-0.018	1.1442
138	13.8	14.9	6.8707	2.7943	0.0025	9.6675	1.106	0.0592	-0.019	1.1462
139	14.6	14.9	6.8745	2.7937	-0.0019	9.6663	1.1078	0.0626	-0.0208	1.1496

140	14.2	15	6.8741	2.7937	-0.0023	9.6655	1.1229	0.061	-0.021	1.163
141	14.9	15	6.8723	2.7936	-0.0018	9.6641	1.1444	0.061	-0.0199	1.1855
142	15	15.1	6.8708	2.7938	-0.0013	9.6633	1.1541	0.06	-0.019	1.1951
143	15.2	15.1	6.8696	2.7936	-0.0013	9.662	1.1767	0.056	-0.0193	1.2134
144	15	15.2	6.8685	2.7939	-0.0013	9.6611	1.1817	0.058	-0.0188	1.2209
145	15.5	15.3	6.8672	2.7944	-0.0014	9.6602	1.1894	0.0586	-0.0165	1.2314
146	16	15.3	6.8659	2.7946	-0.0014	9.6591	1.1968	0.0584	-0.0142	1.2409
147	15.9	15.5	6.8646	2.7949	-0.0015	9.6579	1.2233	0.0573	-0.013	1.2676
148	15.4	15.6	6.8636	2.7948	-0.0016	9.6568	1.2446	0.0591	-0.0122	1.2914
149	16	15.6	6.8626	2.7947	-0.0015	9.6558	1.2678	0.06	-0.0094	1.3183
150	16.5	15.8	6.8616	2.7948	-0.0017	9.6546	1.2913	0.0669	-0.009	1.3491
151	15.7	15.9	6.8604	2.7946	-0.0019	9.653	1.3103	0.0652	-0.013	1.3625
152	15.7	16	6.8591	2.7941	-0.0019	9.6513	1.3173	0.068	-0.0118	1.3735
153	15.8	16.1	6.857	2.7936	-0.0018	9.6488	1.3283	0.068	-0.0113	1.385
154	16.1	16.1	6.8551	2.7929	-0.0017	9.6462	1.3527	0.0707	-0.0116	1.4118
155	15.8	16.1	6.8538	2.7926	-0.0016	9.6449	1.3676	0.0759	-0.013	1.4306
156	16.7	16.2	6.8527	2.7919	-0.0011	9.6436	1.3838	0.0746	-0.0162	1.4423
157	15.9	16.2	6.8526	2.791	-0.0012	9.6424	1.392	0.0756	-0.0191	1.4486
158	15.9	16.2	6.8506	2.7909	-0.0011	9.6404	1.4038	0.0744	-0.0216	1.4566
159	17.5	16.3	6.8492	2.7915	-0.0011	9.6396	1.4148	0.0676	-0.0238	1.4585
160	17.3	16.3	6.8471	2.7918	-0.0009	9.638	1.4191	0.0565	-0.0241	1.4516
161	16.4	16.4	6.8465	2.7916	-0.001	9.6371	1.4308	0.05	-0.0246	1.4562
162	16	16.4	6.8463	2.7912	-0.0011	9.6364	1.4426	0.0517	-0.0227	1.4716
163	16.1	16.4	6.8451	2.7916	-0.0011	9.6356	1.4499	0.0494	-0.0213	1.478
164	16	16.5	6.8433	2.7918	-0.001	9.6341	1.4577	0.0468	-0.0189	1.4857
165	16.8	16.6	6.8417	2.7922	-0.0009	9.633	1.4689	0.0447	-0.0165	1.4972
166	16.5	16.6	6.8405	2.7927	-0.001	9.6322	1.476	0.047	-0.0155	1.5075
167	15.8	16.7	6.8391	2.7924	-0.001	9.6305	1.4836	0.0547	-0.0149	1.5234
168	16.4	16.8	6.8384	2.7925	-0.0012	9.6297	1.4974	0.0561	-0.0141	1.5394
169	17.3	16.8	6.8374	2.7916	-0.0012	9.6278	1.5123	0.0489	-0.0158	1.5454
170	16.7	16.9	6.8357	2.7923	-0.0013	9.6268	1.5156	0.0419	-0.0161	1.5414
171	16.7	17.1	6.8335	2.7926	-0.0011	9.625	1.5376	0.0494	-0.0201	1.5669
172	16.6	17.2	6.8314	2.7922	-0.0012	9.6224	1.5467	0.0527	-0.0243	1.5751
173	17.2	17.4	6.8297	2.7923	-0.001	9.6209	1.5576	0.0535	-0.0269	1.5842
174	17.6	17.5	6.8282	2.7926	-0.0009	9.6199	1.5669	0.0472	-0.0285	1.5857
175	17.7	17.6	6.8264	2.7928	-0.0009	9.6182	1.5682	0.0427	-0.025	1.5858
176	17.5	17.7	6.8237	2.7929	-0.0006	9.616	1.5763	0.0374	-0.0215	1.5921

177	17.7	17.9	6.8224	2.793	-0.001	9.6144	1.5844	0.0306	-0.0197	1.5953
178	17.5	18	6.8202	2.793	-0.0009	9.6123	1.5947	0.0266	-0.0172	1.604
179	19.4	18.1	6.8182	2.7929	-0.0011	9.61	1.605	0.0215	-0.0148	1.6117
180	19.5	18.3	6.8165	2.7931	-0.0006	9.609	1.6185	0.0208	-0.0159	1.6234
181	18.5	18.5	6.8152	2.7927	-0.0002	9.6077	1.6315	0.0183	-0.0161	1.6337
182	18.6	18.7	6.8136	2.7925	-0.0003	9.6058	1.6494	0.0192	-0.0137	1.6549
183	18.4	18.8	6.8126	2.7924	-0.0001	9.605	1.6608	0.0234	-0.0124	1.6718
184	18.6	18.9	6.8127	2.7924	0	9.6051	1.6779	0.0324	-0.0135	1.6969
185	19.4	19	6.8133	2.792	0.0001	9.6055	1.6912	0.041	-0.014	1.7182
186	19	19.1	6.8128	2.7921	0.0002	9.605	1.7103	0.0431	-0.0143	1.7391
187	18.7	19.2	6.8118	2.7922	0.0001	9.6041	1.7199	0.0467	-0.0148	1.7517
188	19.2	19.3	6.8111	2.7922	0.0001	9.6034	1.7215	0.0544	-0.015	1.7609
189	19.6	19.4	6.8091	2.7923	0.0001	9.6015	1.6797	0.0583	0.0235	1.7615
190	20.3	19.5	6.8066	2.7918	0	9.5984	1.738	0.0523	-0.0222	1.7682
191	19.9	19.6	6.8051	2.7917	0.0001	9.5969	1.7561	0.0516	-0.0279	1.7797
192	19.7	19.7	6.8023	2.7919	0.0001	9.5943	1.7651	0.0508	-0.0245	1.7915
193	19.8	19.9	6.801	2.7917	0.0002	9.5929	1.7549	0.0611	-0.0203	1.7957
194	19.4	20	6.7993	2.7917	0.0001	9.5911	1.7631	0.0554	-0.0211	1.7974
195	19.9	20.1	6.7978	2.7917	-0.0001	9.5895	1.7774	0.0629	-0.0224	1.8178
196	20.1	20.2	6.795	2.7918	-0.0001	9.5867	1.7795	0.0636	-0.0227	1.8204
197	19.4	20.4	6.7925	2.7918	-0.0002	9.5842	1.7783	0.0624	-0.0217	1.819
198	19.7	20.6	6.7899	2.7917	-0.0004	9.5813	1.7846	0.0661	-0.0239	1.8267
199	21.4	20.7	6.7876	2.7913	-0.0005	9.5784	1.7992	0.0638	-0.0266	1.8364
200	21.5	20.9	6.785	2.7915	-0.0003	9.5761	1.8127	0.0606	-0.024	1.8494
201	20.9	21	6.7832	2.7912	-0.0005	9.5738	1.8301	0.0552	-0.0245	1.8609
202	21.1	21.2	6.781	2.7912	-0.0006	9.5716	1.8437	0.0498	-0.026	1.8675
203	21.2	21.4	6.7779	2.7909	-0.0008	9.5681	1.8493	0.0516	-0.0287	1.8723
204	21.1	21.6	6.7753	2.7904	-0.0008	9.5649	1.8632	0.0462	-0.0291	1.8802
205	21.7	21.8	6.7724	2.7902	-0.0006	9.562	1.8619	0.0433	-0.0293	1.8759
206	22	22	6.7699	2.7899	-0.0004	9.5594	1.8725	0.0385	-0.0268	1.8842
207	22.1	22.2	6.7675	2.7895	-0.0001	9.5569	1.8852	0.0322	-0.0212	1.8961
208	22.1	22.4	6.7648	2.7898	0	9.5546	1.9043	0.0225	-0.0223	1.9045
209	23	22.5	6.7629	2.7904	-0.0001	9.5532	1.908	0.0188	-0.02	1.9068
210	22.6	22.5	6.7607	2.7902	-0.0001	9.5507	1.9183	0.0283	-0.0175	1.9291
211	23.3	22.7	6.7585	2.7899	0	9.5484	1.9221	0.0291	-0.0151	1.9361
212	23.3	22.7	6.7569	2.7898	0.0001	9.5469	1.9434	0.0327	-0.0162	1.9599
213	23.7	22.8	6.7552	2.7901	0	9.5453	1.9562	0.0302	-0.017	1.9694

214	23.5	22.8	6.7532	2.7903	-0.0001	9.5433	1.9756	0.0328	-0.0172	1.9912
215	23.3	22.9	6.7515	2.79	-0.0002	9.5413	1.9767	0.0356	-0.0187	1.9936
216	23.2	22.9	6.7498	2.7896	-0.0001	9.5392	1.9878	0.0423	-0.0187	2.0114
217	23.8	22.9	6.7474	2.7894	-0.0001	9.5367	2.0003	0.0489	-0.0205	2.0287
218	23.1	23	6.745	2.7902	0	9.5352	2.0133	0.0485	-0.022	2.0398
219	22.9	23	6.7426	2.7907	0.0001	9.5334	2.034	0.0504	-0.0238	2.0606
220	23.2	22.9	6.7404	2.7908	0.0002	9.5314	2.0514	0.0427	-0.0233	2.0707
221	21.8	23	6.7392	2.7907	0.0005	9.5304	2.0567	0.0473	-0.0222	2.0818
222	23	22.9	6.7373	2.7905	0.0006	9.5285	2.0587	0.0493	-0.0193	2.0887
223	22.4	22.9	6.7353	2.791	0.0006	9.527	2.0573	0.0473	-0.019	2.0856
224	22.4	23	6.734	2.7909	0.0004	9.5252	2.062	0.0521	-0.0141	2.1
225	21.8	23	6.7321	2.7909	0.0001	9.5231	2.0857	0.0619	-0.0097	2.1379
226	23.2	23.1	6.7303	2.7909	-0.0001	9.5211	2.0835	0.0713	-0.0087	2.1461
227	23.1	23.1	6.7286	2.791	-0.0001	9.5195	2.0842	0.0815	-0.0057	2.16
228	22.5	23.1	6.7266	2.7909	0	9.5174	2.0968	0.0885	-0.0098	2.1754
229	22.4	23.1	6.7243	2.7908	-0.0001	9.5151	2.1106	0.0958	-0.0118	2.1946
230	23.4	23.2	6.7219	2.7909	0.0003	9.513	2.1119	0.0924	-0.0143	2.19
231	22.9	23.3	6.719	2.791	0.0002	9.5102	2.1124	0.0915	-0.0093	2.1947
232	23.6	23.3	6.7166	2.791	0.0001	9.5077	2.1289	0.0918	-0.0062	2.2145
233	24.4	23.4	6.7138	2.7906	0.0001	9.5045	2.1346	0.0954	-0.0114	2.2186
234	24.7	23.6	6.7112	2.7901	0.0001	9.5014	2.1498	0.0892	-0.0103	2.2287
235	24.3	23.7	6.7083	2.79	0.0001	9.4984	2.1714	0.0788	-0.0119	2.2383
236	23.4	23.7	6.7063	2.7896	0	9.4959	2.1967	0.0788	-0.0138	2.2617
237	23.1	23.7	6.7048	2.7888	0	9.4936	2.2118	0.0866	-0.0126	2.2857
238	23.3	23.8	6.7027	2.7885	0.0001	9.4913	2.2238	0.0877	-0.0154	2.296
239	24.8	23.9	6.7007	2.7885	0.0004	9.4895	2.2403	0.0835	-0.018	2.3058
240	23.4	23.8	6.6985	2.7886	0.0005	9.4876	2.2371	0.0825	-0.018	2.3016
241	24.6	23.8	6.6958	2.7885	0.0007	9.485	2.2261	0.0765	-0.0175	2.2851
242	23.9	23.8	6.6953	2.7877	0.0007	9.4837	2.2437	0.0724	-0.0168	2.2993
243	24.8	23.9	6.6933	2.7881	0.0008	9.4823	2.2461	0.0728	-0.0158	2.3031
244	24.5	23.9	6.6908	2.7876	0.0009	9.4793	2.2724	0.0672	-0.0164	2.3232
245	23.7	23.9	6.6893	2.788	0.0008	9.4781	2.2829	0.0717	-0.0175	2.3371
246	23.5	24	6.6881	2.7883	0.0007	9.4772	2.2977	0.069	-0.0188	2.3479
247	23.6	24	6.6861	2.7883	0.0009	9.4753	2.2957	0.0713	-0.0197	2.3472
248	23.5	24.1	6.6837	2.7884	0.0011	9.4732	2.2966	0.0704	-0.0198	2.3472
249	22.5	24.1	6.6814	2.7886	0.0009	9.4709	2.2925	0.0652	-0.0222	2.3355
250	23	24.2	6.6785	2.7893	0.0007	9.4685	2.2941	0.0585	-0.024	2.3286

251	24.3	24.3	6.676	2.7896	0.0007	9.4663	2.2922	0.0637	-0.0222	2.3337
252	25	24.4	6.6742	2.7889	0.001	9.4641	2.3023	0.0619	-0.0235	2.3407
253	24.3	24.5	6.6707	2.7889	0.0011	9.4608	2.3079	0.0631	-0.0243	2.3467
254	25	24.6	6.6689	2.7886	0.0012	9.4586	2.3061	0.0614	-0.0267	2.3409
255	24.5	24.8	6.6666	2.7888	0.0011	9.4565	2.3081	0.0551	-0.027	2.3362
256	24.8	25	6.6642	2.7887	0.0011	9.4539	2.3219	0.0543	-0.026	2.3502
257	24.7	25.2	6.6621	2.7888	0.001	9.4519	2.3215	0.0529	-0.0255	2.3489
258	24.8	25.4	6.6598	2.789	0.0009	9.4497	2.3269	0.0473	-0.0219	2.3522
259	25.5	25.7	6.6574	2.7887	0.0007	9.4467	2.3253	0.0429	-0.0184	2.3498
260	25.1	25.9	6.6549	2.7889	0.0006	9.4444	2.3332	0.0518	-0.018	2.367
261	27	26.1	6.6522	2.7884	0.0006	9.4412	2.3372	0.0527	-0.0185	2.3714
262	27.1	26.3	6.6507	2.7882	0.0006	9.4395	2.3422	0.0503	-0.0185	2.3741
263	26.6	26.5	6.6476	2.7883	0.0006	9.4365	2.3541	0.0529	-0.018	2.389
264	26.8	26.7	6.6457	2.7882	0.0008	9.4347	2.3609	0.052	-0.0171	2.3959
265	27.2	26.9	6.6429	2.788	0.0009	9.4318	2.3698	0.0526	-0.018	2.4044
266	27.4	27.1	6.6405	2.7878	0.0011	9.4293	2.3787	0.0499	-0.0165	2.412
267	27.7	27.3	6.6378	2.7876	0.0012	9.4265	2.3909	0.0483	-0.0176	2.4216
268	27.3	27.4	6.635	2.7874	0.0012	9.4237	2.3973	0.0551	-0.019	2.4334
269	27.2	27.6	6.6323	2.7873	0.0011	9.4207	2.4006	0.0678	-0.0179	2.4505
270	28.5	27.7	6.63	2.7876	0.0009	9.4186	2.4065	0.0703	-0.0165	2.4603
271	27.8	27.8	6.6276	2.7877	0.0008	9.4161	2.4145	0.0677	-0.0164	2.4658
272	28.3	28	6.6257	2.7875	0.0007	9.4139	2.433	0.068	-0.0139	2.487
273	28.4	28	6.6235	2.7871	0.0004	9.4109	2.4417	0.0692	-0.0128	2.4981
274	29.4	28.1	6.6196	2.7864	0.0001	9.4061	2.4523	0.081	-0.0154	2.5179
275	27.9	28.1	6.618	2.7857	-0.0001	9.4036	2.4717	0.0795	-0.0219	2.5293
276	28.1	28.1	6.6153	2.7848	0	9.4	2.479	0.093	-0.0255	2.5465
277	28.1	28.1	6.6128	2.7841	0	9.3969	2.4846	0.0898	-0.0275	2.5469
278	28.8	28.1	6.6091	2.7834	0.0003	9.3928	2.4927	0.0867	-0.0277	2.5517
279	27.4	28.1	6.607	2.7837	0.0003	9.391	2.5033	0.0962	-0.0253	2.5742
280	28.9	28	6.6052	2.7839	0.0004	9.3895	2.5052	0.1087	-0.0258	2.588
281	29.5	28	6.6023	2.7835	0.0004	9.3862	2.5122	0.1077	-0.022	2.5979
282	27.6	27.8	6.6001	2.7829	0.0009	9.3839	2.5212	0.1095	-0.021	2.6097
283	28.2	27.7	6.5977	2.7835	0.0009	9.3821	2.5322	0.1076	-0.0204	2.6194
284	27.3	27.6	6.5956	2.7845	0.0012	9.3813	2.5297	0.0996	-0.02	2.6093
285	27.5	27.4	6.5937	2.7842	0.0015	9.3793	2.5299	0.0901	-0.0208	2.5992
286	27.3	27.3	6.5916	2.7834	0.0014	9.3765	2.5323	0.0822	-0.0231	2.5913
287	27	27.2	6.5894	2.7834	0.0017	9.3745	2.5445	0.0767	-0.0259	2.5953

288	27.6	27.1	6.587	2.7838	0.0019	9.3728	2.5706	0.0666	-0.0261	2.6112
289	27.7	27.2	6.5854	2.784	0.0019	9.3713	2.5827	0.0675	-0.0266	2.6236
290	26.1	27.1	6.584	2.7841	0.0018	9.3699	2.6028	0.0728	-0.0249	2.6506
291	25	27	6.5807	2.7844	0.0018	9.3669	2.604	0.0742	-0.0251	2.6531
292	26.6	27.1	6.5776	2.7846	0.0017	9.3639	2.6096	0.0783	-0.0231	2.6648
293	27	27	6.5738	2.785	0.0018	9.3606	2.6308	0.0784	-0.0229	2.6863
294	25.6	27	6.571	2.7845	0.0018	9.3574	2.6389	0.0823	-0.0219	2.6994
295	26	27.1	6.5681	2.7848	0.0018	9.3547	2.6419	0.0758	-0.021	2.6967
296	25.7	27.2	6.5654	2.7847	0.0019	9.352	2.6572	0.0775	-0.0217	2.713
297	27.6	27.4	6.5629	2.7848	0.0018	9.3495	2.6773	0.0792	-0.0235	2.7331
298	27.6	27.5	6.5607	2.7852	0.0018	9.3477	2.683	0.0855	-0.021	2.7475
299	27.9	27.7	6.5582	2.7855	0.0019	9.3455	2.6911	0.0858	-0.0192	2.7577
300	28.2	27.9	6.5557	2.7851	0.0019	9.3428	2.7085	0.0846	-0.0193	2.7738
301	28.4	28.2	6.5529	2.785	0.0018	9.3398	2.7077	0.0919	-0.0224	2.7773
302	27.5	28.4	6.5502	2.7849	0.0018	9.3369	2.7128	0.0946	-0.024	2.7834
303	27.5	28.6	6.5473	2.7848	0.0019	9.334	2.7335	0.0845	-0.021	2.797
304	28.2	28.9	6.5445	2.7849	0.0019	9.3313	2.7333	0.084	-0.0193	2.798
305	29.5	29.2	6.5402	2.7848	0.002	9.327	2.7526	0.0788	-0.0157	2.8157
306	30.6	29.4	6.5377	2.7846	0.0022	9.3245	2.7669	0.0782	-0.0143	2.8308
307	30.5	29.7	6.5348	2.7848	0.002	9.3216	2.7738	0.0795	-0.0136	2.8397
308	30.1	29.8	6.5323	2.7855	0.0018	9.3196	2.7886	0.0801	-0.014	2.8547
309	30.2	29.9	6.5296	2.7852	0.0017	9.3165	2.8209	0.0812	-0.0172	2.8849
310	31.2	30	6.5269	2.7849	0.0018	9.3136	2.8294	0.0771	-0.0204	2.8861
311	30.7	30.2	6.5242	2.7849	0.0019	9.311	2.8407	0.0802	-0.0199	2.901
312	30.3	30.5	6.5215	2.7846	0.0019	9.308	2.8533	0.0688	-0.0154	2.9067
313	31.2	30.7	6.5191	2.7849	0.0017	9.3058	2.896	0.067	-0.0136	2.9494
314	31.2	30.9	6.5162	2.785	0.0017	9.3029	2.901	0.0685	-0.0123	2.9572
315	30.8	31	6.5136	2.785	0.0015	9.3001	2.8986	0.0714	-0.0104	2.9596
316	32.1	31	6.5107	2.7847	0.0016	9.2971	2.9062	0.0797	-0.0104	2.9755
317	30.5	31	6.5077	2.7839	0.0018	9.2934	2.9152	0.085	-0.0124	2.9878
318	30	31.2	6.5049	2.7834	0.0018	9.2901	2.9227	0.0862	-0.0155	2.9933
319	30.3	31.3	6.502	2.7836	0.0017	9.2874	2.9456	0.0943	-0.0209	3.019
320	31.7	31.4	6.499	2.784	0.0018	9.2848	2.9486	0.0871	-0.0225	3.0131
321	32.1	31.5	6.4959	2.7839	0.0019	9.2817	2.9746	0.0866	-0.0224	3.0389
322	32.2	31.6	6.4932	2.7836	0.0019	9.2787	2.993	0.0852	-0.0221	3.0561
323	31.7	31.7	6.4901	2.7829	0.0022	9.2752	3.006	0.0851	-0.0206	3.0705
324	31.6	31.7	6.4868	2.783	0.0026	9.2723	3.027	0.0872	-0.0232	3.091

325	31.5	31.9	6.4842	2.7816	0.0026	9.2685	3.0276	0.0877	-0.0269	3.0884
326	30.5	31.9	6.4818	2.7819	0.0027	9.2664	3.0512	0.0852	-0.0287	3.1077
327	33.2	32.2	6.4793	2.7823	0.0027	9.2643	3.0632	0.082	-0.0291	3.1162
328	32.1	32.4	6.4763	2.7812	0.0025	9.26	3.0811	0.0883	-0.0314	3.138
329	32.5	32.5	6.4738	2.7799	0.0025	9.2563	3.0817	0.0878	-0.0329	3.1366
330	32.4	32.6	6.4706	2.7801	0.0025	9.2532	3.0998	0.0887	-0.0317	3.1568
331	33.8	32.6	6.4669	2.78	0.0023	9.2492	3.1405	0.092	-0.0302	3.2023
332	32.6	32.7	6.4634	2.7802	0.0021	9.2457	3.1407	0.0881	-0.0279	3.2009
333	31.2	32.7	6.4609	2.7806	0.0021	9.2436	3.1635	0.0855	-0.0225	3.2265
334	33.8	32.8	6.4582	2.7811	0.0022	9.2415	3.1877	0.0914	-0.0232	3.2559
335	33.3	32.9	6.4551	2.7818	0.0024	9.2393	3.2177	0.0981	-0.027	3.2887
336	34.7	33.1	6.4518	2.7819	0.0026	9.2363	3.26	0.0963	-0.0367	3.3196
337	33.9	33.2	6.4477	2.7822	0.0026	9.2325	3.286	0.0885	-0.0388	3.3357
338	33.2	33.4	6.4445	2.7817	0.0028	9.229	3.3073	0.086	-0.0399	3.3534
339	32.9	33.7	6.4404	2.7812	0.0028	9.2245	3.3371	0.0957	-0.0397	3.393
340	33.4	33.8	6.4381	2.7812	0.003	9.2223	3.3844	0.1053	-0.0375	3.4522
341	33.2	33.9	6.4348	2.7807	0.003	9.2185	3.4242	0.1082	-0.0366	3.4958
342	32	34	6.4322	2.7799	0.003	9.2151	3.4261	0.1053	-0.0342	3.4972
343	33	34.2	6.4294	2.7799	0.003	9.2123	3.4523	0.109	-0.0362	3.5251
344	34.1	34.3	6.4266	2.7801	0.003	9.2097	3.4665	0.1134	-0.0382	3.5416
345	34.3	34.5	6.4236	2.7803	0.003	9.2068	3.4891	0.106	-0.0393	3.5558
346	34.7	34.6	6.4204	2.7804	0.0031	9.2039	3.5044	0.1086	-0.0398	3.5732
347	36.7	34.9	6.4178	2.7797	0.003	9.2005	3.5332	0.1068	-0.0398	3.6003
348	36.8	35.2	6.4146	2.7798	0.003	9.1974	3.5631	0.1041	-0.041	3.6262
349	35.1	35.4	6.4105	2.7802	0.0028	9.1935	3.5883	0.1102	-0.0405	3.658
350	34.6	35.6	6.4078	2.7801	0.003	9.1908	3.6164	0.1176	-0.0385	3.6955
351	35.7	35.9	6.4047	2.7801	0.0031	9.188	3.6514	0.1134	-0.0372	3.7276
352	34.7	36.2	6.4009	2.7805	0.0031	9.1844	3.6904	0.1073	-0.0377	3.76
353	35.4	36.6	6.3974	2.7805	0.003	9.181	3.7212	0.1109	-0.039	3.7931
354	37.2	36.8	6.3936	2.7807	0.0028	9.177	3.7376	0.1173	-0.0383	3.8166
355	36.7	37.1	6.3899	2.7809	0.0025	9.1734	3.7654	0.1205	-0.0385	3.8474
356	38.9	37.5	6.3868	2.7808	0.0024	9.17	3.7798	0.1247	-0.0369	3.8677
357	38.9	37.8	6.3833	2.7808	0.0024	9.1665	3.8084	0.1287	-0.0376	3.8994
358	36.7	38.1	6.3777	2.7809	0.0026	9.1612	3.8246	0.1313	-0.0412	3.9147
359	37.8	38.3	6.3745	2.781	0.0027	9.1581	3.8494	0.141	-0.0504	3.9399
360	39.1	38.7	6.3708	2.7809	0.0026	9.1543	3.8757	0.1383	-0.0572	3.9568
361	38.2	39	6.3669	2.7815	0.0021	9.1505	3.8967	0.136	-0.0541	3.9785

362	39	39.4	6.3611	2.7815	0.002	9.1446	3.9188	0.13	-0.0505	3.9983
363	39.2	39.9	6.3575	2.7815	0.0019	9.1408	3.9531	0.1295	-0.048	4.0346
364	40.2	40.3	6.3558	2.7811	0.0019	9.1388	3.9689	0.1301	-0.051	4.048
365	40.9	40.6	6.3523	2.78	0.002	9.1343	3.9769	0.1325	-0.0501	4.0594
366	43.2	40.7	6.349	2.7793	0.0023	9.1306	3.9981	0.1362	-0.051	4.0833
367	42.2	40.8	6.3455	2.7789	0.0028	9.1272	4.0267	0.1334	-0.0506	4.1095
368	40	41.1	6.3405	2.778	0.0033	9.1218	4.0351	0.1203	-0.0481	4.1073
369	41.6	41.4	6.3374	2.7786	0.0034	9.1194	4.0664	0.1023	-0.0473	4.1214
370	40.4	41.8	6.3326	2.779	0.0032	9.1147	4.1094	0.104	-0.0502	4.1633
371	43.1	42.2	6.3283	2.7792	0.003	9.1105	4.1392	0.1131	-0.0536	4.1988
372	44.8	42.7	6.3251	2.779	0.0028	9.1068	4.1725	0.1117	-0.0539	4.2303
373	44	43.1	6.3208	2.7783	0.0027	9.1018	4.2135	0.1126	-0.0568	4.2693
374	42.4	43.5	6.3169	2.7776	0.0028	9.0973	4.2418	0.1085	-0.0551	4.2952
375	41	43.7	6.3129	2.7772	0.0028	9.0929	4.2581	0.1085	-0.0503	4.3163
376	41.3	43.9	6.309	2.7766	0.0029	9.0884	4.2918	0.093	-0.0476	4.3372
377	42.3	44.1	6.3046	2.7753	0.0031	9.0831	4.3254	0.0967	-0.0452	4.3769
378	43.8	44.5	6.301	2.7746	0.0036	9.0792	4.3601	0.1053	-0.0444	4.421
379	46.2	44.8	6.297	2.7748	0.0035	9.0753	4.3846	0.103	-0.0489	4.4387
380	46.4	45.2	6.2912	2.7747	0.0034	9.0693	4.4194	0.0972	-0.0511	4.4655
381	47.7	45.6	6.2883	2.7747	0.0032	9.0661	4.4502	0.0967	-0.0541	4.4928
382	47.1	45.9	6.2838	2.7744	0.0031	9.0613	4.488	0.0915	-0.0619	4.5177
383	47.4	46.3	6.2789	2.7744	0.0032	9.0565	4.5197	0.0886	-0.0702	4.5381
384	46.5	46.7	6.2738	2.7747	0.0039	9.0524	4.56	0.089	-0.0716	4.5773
385	46.1	47.2	6.2677	2.7745	0.0051	9.0473	4.6022	0.0944	-0.0697	4.6268
386	46.7	47.7	6.263	2.7746	0.0053	9.0429	4.635	0.1031	-0.0673	4.6708
387	47.2	48.1	6.2587	2.7748	0.0057	9.0392	4.6502	0.104	-0.0651	4.6891
388	47.7	48.7	6.2533	2.7743	0.0059	9.0335	4.6618	0.1076	-0.0665	4.703
389	48.1	49.1	6.247	2.7735	0.0056	9.0261	4.6708	0.1014	-0.0616	4.7107
390	49.6	49.5	6.2416	2.7733	0.0054	9.0203	4.6863	0.1007	-0.0605	4.7266
391	51.3	49.8	6.2381	2.7739	0.0052	9.0172	4.723	0.1078	-0.061	4.7698
392	50.9	50.3	6.2324	2.7737	0.0053	9.0114	4.7214	0.1064	-0.0613	4.7666
393	50.5	50.7	6.2272	2.7737	0.0056	9.0064	4.7422	0.0978	-0.0623	4.7777
394	49.6	51.2	6.2221	2.7739	0.0057	9.0018	4.7807	0.1018	-0.0603	4.8222
395	50.4	51.6	6.2176	2.7739	0.0058	8.9974	4.803	0.1053	-0.0618	4.8465
396	51.7	52.1	6.2121	2.774	0.0058	8.992	4.8341	0.1081	-0.063	4.8792
397	53.9	52.6	6.2066	2.7744	0.0059	8.9868	4.8672	0.1138	-0.0639	4.9172
398	53.8	52.9	6.2019	2.7742	0.0059	8.9819	4.8971	0.1104	-0.0667	4.9408

399	54.8	53.4	6.1965	2.7737	0.0058	8.976	4.9317	0.1124	-0.0672	4.9769
400	53.4	53.8	6.1906	2.7738	0.0056	8.97	4.9544	0.1193	-0.0697	5.004
401	55.8	54.2	6.1839	2.7743	0.0056	8.9638	4.9988	0.1177	-0.0694	5.0472
402	55.3	54.5	6.1781	2.7738	0.0057	8.9576	5.008	0.1129	-0.0703	5.0506
403	55.8	54.9	6.1735	2.7731	0.0057	8.9523	5.0321	0.111	-0.0752	5.068
404	53.9	55.6	6.168	2.7728	0.0057	8.9466	5.0478	0.109	-0.0758	5.0809
405	57	56.1	6.1622	2.7723	0.0057	8.9402	5.067	0.1106	-0.0765	5.1012
406	55.2	56.5	6.1569	2.7717	0.0059	8.9346	5.0793	0.1164	-0.0783	5.1175
407	54.8	56.9	6.1523	2.7717	0.0062	8.9302	5.0976	0.1151	-0.0788	5.1339
408	56.9	57.3	6.1473	2.7714	0.0069	8.9256	5.1247	0.1147	-0.0802	5.1591
409	57.7	57.6	6.142	2.7714	0.0074	8.9208	5.1408	0.1136	-0.084	5.1704
410	57.7	58.1	6.1373	2.7713	0.0072	8.9157	5.1734	0.1074	-0.0937	5.1871
411	57.5	58.3	6.1324	2.7719	0.0069	8.9111	5.2087	0.1038	-0.0953	5.2172
412	58.3	58.6	6.1262	2.7716	0.0067	8.9045	5.2256	0.1081	-0.0986	5.235
413	62.6	58.9	6.1222	2.7719	0.0068	8.901	5.2194	0.1118	-0.1075	5.2237
414	60	59.5	6.1185	2.7717	0.0067	8.897	5.2274	0.1093	-0.1105	5.2262
415	59	59.9	6.1138	2.7714	0.0066	8.8918	5.2692	0.1098	-0.1099	5.2691
416	61.3	60.5	6.1081	2.7714	0.0067	8.8861	5.296	0.0984	-0.108	5.2864
417	60.7	60.9	6.1042	2.7719	0.0066	8.8826	5.3198	0.0936	-0.1063	5.3071
418	61.2	61.4	6.0983	2.7732	0.0065	8.878	5.3455	0.0929	-0.103	5.3354
419	62.8	61.9	6.091	2.7732	0.0068	8.871	5.348	0.0898	-0.0993	5.3385
420	60.8	62.4	6.085	2.7727	0.0072	8.865	5.3736	0.0999	-0.1013	5.3722
421	60.8	63	6.0786	2.7727	0.0073	8.8586	5.4003	0.1051	-0.1091	5.3963
422	61.4	63.7	6.0718	2.7723	0.0076	8.8517	5.5104	0.1024	-0.1109	5.502
423	63.9	63.9	6.0659	2.7721	0.0077	8.8457	5.6283	0.0892	-0.1133	5.6042
424	65	64.4	6.061	2.7721	0.0076	8.8407	5.6286	0.0825	-0.1129	5.5981
425	66.4	64.9	6.0551	2.7723	0.0074	8.8347	5.6428	0.0762	-0.1115	5.6075
426	63.2	65.4	6.0493	2.7722	0.0072	8.8288	5.664	0.0645	-0.1117	5.6168
427	65.4	66	6.0433	2.7718	0.0071	8.8222	5.6921	0.0565	-0.115	5.6337
428	67.2	66.5	6.0378	2.7709	0.0074	8.8161	5.7062	0.0404	-0.1169	5.6296
429	67.7	66.9	6.0319	2.7702	0.0076	8.8097	5.7166	0.0289	-0.1155	5.63
430	69.8	67.4	6.0256	2.7705	0.0079	8.8039	5.7352	0.0267	-0.1188	5.6431
431	70.4	68	6.0181	2.7709	0.0085	8.7974	5.7336	0.0243	-0.1225	5.6354
432	67.4	68.4	6.0114	2.7714	0.0092	8.7919	5.7576	0.0253	-0.1259	5.657
433	68.6	68.8	6.0049	2.7717	0.0093	8.7859	5.7708	0.0219	-0.1277	5.665
434	69.8	69.3	5.998	2.7717	0.0092	8.7788	5.811	0.0129	-0.1366	5.6872
435	69.2	69.6	5.9916	2.7715	0.0091	8.7722	5.8126	0.0182	-0.1498	5.681

436	72.1	70.1	5.9868	2.7715	0.0091	8.7674	5.8092	0.0229	-0.1394	5.6928
437	71.8	70.6	5.9815	2.7714	0.0093	8.7622	5.8271	0.0269	-0.1366	5.7174
438	70.2	70.9	5.9774	2.7716	0.009	8.7579	5.8496	0.0311	-0.1321	5.7486
439	70.9	71.1	5.9718	2.7711	0.0089	8.7518	5.8491	0.0288	-0.1293	5.7486
440	70.9	71.2	5.9658	2.7704	0.0091	8.7453	5.8483	0.0195	-0.1326	5.7352
441	69.8	71.3	5.9627	2.77	0.0091	8.7418	5.8597	0.0212	-0.1384	5.7425
442	72.1	71.6	5.958	2.7701	0.0092	8.7373	5.8917	0.0256	-0.1456	5.7717
443	72.9	71.7	5.9514	2.7697	0.009	8.7301	5.8999	0.017	-0.1514	5.7656
444	72.7	71.9	5.9463	2.7695	0.0092	8.725	5.8886	0.0256	-0.1534	5.7608
445	73.5	72.1	5.9402	2.7695	0.0093	8.7189	5.892	0.0283	-0.1547	5.7656
446	75.4	72.1	5.9337	2.769	0.0095	8.7121	5.9277	0.0209	-0.1588	5.7897
447	71.2	72.2	5.9281	2.7687	0.0097	8.7064	5.9249	0.0178	-0.1689	5.7738
448	72.5	72.4	5.9214	2.7686	0.0097	8.6997	5.9359	0.0265	-0.1695	5.7928
449	71.3	72.5	5.9151	2.7682	0.0098	8.6931	5.9443	0.028	-0.1677	5.8046
450	73.1	72.6	5.9079	2.7683	0.0099	8.6861	5.9424	0.0284	-0.1689	5.802
451	72.1	72.7	5.9039	2.7688	0.0101	8.6829	5.9508	0.0337	-0.1684	5.8161
452	71.6	72.6	5.8976	2.7694	0.0106	8.6776	5.9685	0.0386	-0.1648	5.8423
453	73.6	72.5	5.8926	2.7696	0.0106	8.6729	5.9733	0.0359	-0.1617	5.8475
454	72.2	72.5	5.8869	2.7696	0.0104	8.6669	5.9881	0.0322	-0.1587	5.8616
455	72.2	72.4	5.882	2.7693	0.0104	8.6616	6.0024	0.0432	-0.1647	5.8809
456	73.9	72.3	5.877	2.7692	0.0103	8.6566	6.011	0.0464	-0.1696	5.8878
457	73.7	72.6	5.8708	2.7693	0.0104	8.6506	6.0176	0.0423	-0.1676	5.8924
458	72.5	72.7	5.8636	2.7695	0.011	8.6442	6.0315	0.0399	-0.1654	5.906
459	72.8	72.9	5.8571	2.7702	0.0121	8.6394	6.0369	0.0376	-0.158	5.9165
460	72.4	73.1	5.85	2.7705	0.0121	8.6326	6.0412	0.0365	-0.1497	5.928
461	70.2	73.4	5.8443	2.7707	0.012	8.627	6.0495	0.0348	-0.1477	5.9366
462	70.7	73.8	5.8392	2.7703	0.0127	8.6222	6.0719	0.0423	-0.1508	5.9633
463	72.3	73.7	5.8347	2.7705	0.0129	8.6181	6.0736	0.048	-0.1569	5.9646
464	72.2	73.9	5.8289	2.7701	0.0129	8.6119	6.0954	0.056	-0.1566	5.9949
465	73.6	74.3	5.8227	2.7702	0.0128	8.6056	6.1221	0.0582	-0.1565	6.0237
466	75.8	74.4	5.817	2.7699	0.0129	8.5998	6.1339	0.0542	-0.1562	6.0319
467	75	74.6	5.8109	2.7696	0.0131	8.5936	6.1484	0.0565	-0.1552	6.0497
468	74.8	74.6	5.8057	2.769	0.0132	8.5879	6.1542	0.0635	-0.155	6.0627
469	76.8	74.7	5.8001	2.7686	0.0135	8.5822	6.1592	0.077	-0.1563	6.0799
470	78.9	75	5.7925	2.7684	0.0141	8.5751	6.1357	0.0928	-0.1579	6.0706
471	77.8	75.2	5.7772	2.7689	0.0141	8.5603	6.1032	0.096	-0.1564	6.0428
472	72.9	75.2	5.7622	2.7701	0.0141	8.5464	6.1152	0.0937	-0.1577	6.0512

473	75.2	75.3	5.7579	2.7701	0.014	8.542	6.1187	0.0819	-0.1562	6.0444
474	79.4	75.3	5.7526	2.77	0.0139	8.5365	6.1117	0.0762	-0.155	6.0329
475	77.1	75.2	5.7465	2.7707	0.014	8.5312	6.1321	0.0849	-0.1562	6.0608
476	77.1	75.1	5.7398	2.7709	0.0144	8.525	6.1348	0.0888	-0.1597	6.0639
477	72.2	75	5.734	2.7713	0.0148	8.5201	6.1431	0.0919	-0.1603	6.0746
478	74.8	74.9	5.7293	2.7718	0.0151	8.5162	6.1504	0.0854	-0.1601	6.0757
479	77.6	74.7	5.7235	2.7721	0.0154	8.511	6.1569	0.0764	-0.1553	6.0779
480	74.7	74.5	5.7178	2.7723	0.0156	8.5057	6.1601	0.0661	-0.1529	6.0733
481	71.1	74.3	5.7125	2.7721	0.0158	8.5004	6.1567	0.0784	-0.1533	6.0818
482	73.6	74.3	5.7067	2.7722	0.0159	8.4948	6.155	0.0814	-0.147	6.0894
483	71.9	74.3	5.6978	2.7731	0.0169	8.4878	6.1391	0.0878	-0.1396	6.0874
484	72.6	74.1	5.6926	2.7729	0.0189	8.4843	6.1349	0.0928	-0.1394	6.0883
485	74	73.8	5.6867	2.7722	0.0191	8.478	6.1228	0.102	-0.1401	6.0848
486	72.4	73.6	5.6803	2.7719	0.019	8.4711	6.1165	0.1108	-0.1395	6.0879
487	72.7	73.6	5.6737	2.7717	0.0189	8.4643	6.1329	0.1098	-0.1384	6.1043
488	74	73.6	5.6684	2.7714	0.0188	8.4586	6.1408	0.1168	-0.1386	6.119
489	73.8	73.4	5.6621	2.7716	0.0189	8.4526	6.1757	0.117	-0.1449	6.1479
490	73.8	73.5	5.6556	2.7712	0.0193	8.4461	6.1831	0.1103	-0.146	6.1474
491	74.4	73.7	5.6489	2.7713	0.0198	8.44	6.1702	0.1159	-0.147	6.1391
492	73.6	73.9	5.6424	2.772	0.0205	8.4349	6.2098	0.1171	-0.149	6.1778
493	75.7	74.1	5.6383	2.7711	0.021	8.4304	6.2196	0.1176	-0.1515	6.1857
494	71.8	74.4	5.6329	2.7711	0.0212	8.4252	6.2215	0.1205	-0.1587	6.1833
495	73.4	74.9	5.6249	2.7718	0.0217	8.4184	6.2313	0.1181	-0.1605	6.1889
496	72.4	75.3	5.6196	2.7722	0.0227	8.4146	6.2355	0.1091	-0.1591	6.1854
497	74.4	75.6	5.613	2.7717	0.0229	8.4076	6.2423	0.0936	-0.1568	6.1791
498	74.9	76	5.6074	2.7714	0.0227	8.4015	6.2581	0.0875	-0.1553	6.1903
499	75.9	76.4	5.6023	2.7709	0.0226	8.3958	6.2569	0.0857	-0.1529	6.1897
500	75.6	76.8	5.5955	2.7704	0.0225	8.3884	6.2439	0.0872	-0.1495	6.1816
501	76.4	77	5.587	2.7704	0.0221	8.3795	6.2285	0.0722	-0.1445	6.1561
502	75.7	77.2	5.5808	2.7702	0.0219	8.3728	6.2468	0.0879	-0.1407	6.194
503	78.4	77.5	5.5747	2.7699	0.0216	8.3662	6.244	0.102	-0.1348	6.2112
504	83.1	78	5.5678	2.7685	0.0222	8.3585	6.2634	0.1121	-0.1347	6.2408
505	80.1	78.4	5.5611	2.7677	0.0227	8.3515	6.2539	0.1185	-0.136	6.2364
506	79.8	78.9	5.5551	2.7675	0.0227	8.3453	6.2547	0.1288	-0.1327	6.2508
507	80.1	79.3	5.5492	2.7677	0.0227	8.3396	6.2695	0.1416	-0.1307	6.2804
508	82.4	79.6	5.5436	2.7676	0.0227	8.3339	6.261	0.156	-0.1267	6.2903
509	80.2	80.1	5.5379	2.7677	0.0224	8.328	6.2318	0.1777	-0.1188	6.2908

510	78.7	80.6	5.5323	2.7678	0.0219	8.3221	6.2038	0.2168	-0.1059	6.3147
511	78.6	80.9	5.5252	2.7676	0.022	8.3148	6.1678	0.2515	-0.108	6.3113
512	80.7	81.2	5.5188	2.7668	0.0224	8.3081	6.1347	0.3142	-0.1109	6.338
513	81	81.3	5.5127	2.7663	0.0225	8.3015	6.0963	0.3587	-0.1019	6.3531
514	81.5	81.3	5.5063	2.7659	0.0224	8.2946	6.143	0.3305	-0.0991	6.3745
515	81.1	81.5	5.5004	2.766	0.0222	8.2886	6.1005	0.3963	-0.1002	6.3966
516	82.5	81.5	5.4932	2.7657	0.0222	8.2812	6.046	0.4721	-0.0993	6.4187
517	81.3	81.4	5.4887	2.7655	0.0221	8.2764	6.0051	0.4716	-0.0969	6.3797
518	83.9	81.5	5.4824	2.7655	0.0221	8.27	5.9499	0.5292	-0.0936	6.3856
519	85.6	81.5	5.4775	2.764	0.0225	8.264	5.8985	0.593	-0.0897	6.4018
520	81.8	81.6	5.4747	2.7631	0.0228	8.2607	5.9077	0.6108	-0.0876	6.4308
521	81.1	81.6	5.4671	2.7633	0.0231	8.2535	5.9229	0.5919	-0.0838	6.431
522	81.5	81.8	5.4599	2.7641	0.0232	8.2473	5.8066	0.5988	-0.0879	6.3174
523	82.2	81.9	5.4547	2.7645	0.0232	8.2424	5.7127	0.6171	-0.0899	6.24
524	83.9	82.2	5.4478	2.7636	0.0232	8.2346	5.6814	0.6437	-0.0941	6.231
525	80.7	82.6	5.4416	2.7634	0.0233	8.2283	5.6096	0.7357	-0.0972	6.2481
526	78.4	82.9	5.435	2.7631	0.0233	8.2213	5.4885	0.8448	-0.0983	6.235
527	84.3	83.3	5.4283	2.7632	0.0231	8.2146	5.4768	0.8493	-0.0932	6.2329
528	80.6	83.4	5.4221	2.7633	0.0229	8.2084	5.388	0.9419	-0.0861	6.2438
529	79.2	83.6	5.4159	2.7636	0.0229	8.2024	5.3198	1.0472	-0.0859	6.2811
530	79.3	83.9	5.4099	2.7626	0.0232	8.1958	5.2398	1.1328	-0.0892	6.2835
531	83.5	84.4	5.4026	2.7627	0.0232	8.1885	5.3123	1.0679	-0.0889	6.2912
532	83	84.9	5.3975	2.7626	0.0231	8.1832	5.373	1.0211	-0.085	6.3092
533	87.2	85.2	5.3914	2.7625	0.0232	8.177	5.4101	0.9905	-0.0814	6.3191
534	89.5	85.6	5.3857	2.7615	0.0232	8.1703	5.3741	1.0366	-0.0693	6.3414
535	88.6	85.9	5.3799	2.7604	0.023	8.1634	5.5548	0.8452	-0.0499	6.3502
536	87.6	86.3	5.3735	2.7605	0.0229	8.157	5.4344	0.9938	-0.0494	6.3788
537	86	86.5	5.3674	2.7597	0.0231	8.1503	5.3259	1.0609	-0.0521	6.3347
538	90.5	86.9	5.3598	2.7599	0.0234	8.1431	5.1985	1.1946	-0.0533	6.3399
539	87.2	87.3	5.3535	2.7601	0.0235	8.1371	5.2149	1.1935	-0.0552	6.3531
540	89.5	87.6	5.3488	2.7588	0.0238	8.1314	5.2063	1.2195	-0.0529	6.3729
541	91.8	87.5	5.3417	2.7583	0.024	8.1241	5.1775	1.2228	-0.0483	6.352
542	88.1	87.6	5.336	2.7584	0.0244	8.1188	5.1546	1.2163	-0.041	6.3299
543	90.5	87.4	5.3292	2.7577	0.0249	8.1118	5.1057	1.2987	-0.0341	6.3703
544	87.8	87.2	5.3232	2.7577	0.0252	8.1061	5.3018	1.1687	-0.0311	6.4394
545	86.2	87.1	5.3166	2.7585	0.0252	8.1004	5.4934	0.9738	-0.0347	6.4325
546	88	87	5.3094	2.7596	0.0252	8.0942	5.3924	1.015	-0.0302	6.3772

547	88.3	86.8	5.3023	2.7599	0.0252	8.0874	5.2399	1.1856	-0.0199	6.4056
548	86.6	86.5	5.2957	2.76	0.025	8.0808	5.1968	1.2033	-0.0201	6.3799
549	84.1	86.4	5.2907	2.7595	0.0247	8.075	5.1746	1.2369	-0.0194	6.3921
550	81.7	86.2	5.285	2.7611	0.0243	8.0705	5.1809	1.2467	-0.0188	6.4088
551	84.7	86.1	5.2793	2.76	0.0242	8.0635	5.0474	1.3659	-0.0225	6.3909
552	83.8	86.1	5.2732	2.7592	0.0241	8.0565	4.8742	1.5245	-0.0256	6.3731
553	85.2	86	5.2663	2.7584	0.0241	8.0488	4.8014	1.5845	-0.0253	6.3606
554	87.8	85.9	5.2615	2.7578	0.024	8.0433	4.7091	1.6812	-0.0264	6.3639
555	84.8	86	5.2565	2.7564	0.0236	8.0365	4.6477	1.7532	-0.0198	6.381
556	82.9	86	5.2501	2.7551	0.0234	8.0286	4.6139	1.7473	-0.0154	6.3459
557	84.8	85.8	5.2447	2.7537	0.0231	8.0215	4.8256	1.53	-0.014	6.3415
558	85.6	85.7	5.2404	2.7518	0.0229	8.0151	4.8263	1.5368	-0.0161	6.347
559	85.5	85.8	5.2367	2.7485	0.0227	8.0079	4.7233	1.6175	-0.0177	6.3231
560	88.8	86	5.2332	2.7453	0.0229	8.0015	4.651	1.7008	-0.0239	6.3279
561	88.1	86.1	5.2308	2.7393	0.0231	7.9932	4.6429	1.6971	-0.0338	6.3062
562	89.3	86.2	5.2295	2.7344	0.0229	7.9869	4.5657	1.7607	-0.034	6.2924
563	86	86.3	5.2204	2.7375	0.0228	7.9807	4.4685	1.8378	-0.0296	6.2767
564	87.3	86.2	5.2188	2.7305	0.0229	7.9722	4.4893	1.801	-0.027	6.2633
565	88.3	86.4	5.2181	2.723	0.0227	7.9638	4.4396	1.8282	-0.0258	6.242
566	85.7	86.5	5.2165	2.7228	0.0226	7.9619	4.4928	1.8038	-0.0259	6.2707
567	84.2	86.7	5.2159	2.7167	0.0224	7.9551	4.7206	1.5973	-0.026	6.2919
568	86.4	86.7	5.2158	2.7097	0.0222	7.9478	4.4273	1.8591	-0.026	6.2604
569	84.5	86.7	5.2093	2.7076	0.0223	7.9391	4.4176	1.8633	-0.0268	6.2542
570	86.5	86.5	5.2002	2.7092	0.0225	7.932	4.3553	1.9137	-0.0236	6.2454
571	85.4	86.3	5.1966	2.7091	0.0229	7.9285	4.2922	2.0268	-0.0206	6.2985
572	88.2	86	5.191	2.7084	0.0231	7.9224	4.2414	2.0305	-0.0181	6.2537
573	85.6	85.8	5.1898	2.7057	0.0234	7.9189	4.187	2.0805	-0.0168	6.2507
574	88.3	85.5	5.1916	2.6965	0.0236	7.9117	4.1318	2.1379	-0.0162	6.2536
575	85.5	85.2	5.1976	2.6862	0.0238	7.9077	3.9968	2.2627	-0.0118	6.2477
576	87.8	85	5.1921	2.686	0.0237	7.9018	3.9077	2.3617	-0.0087	6.2607
577	86.5	84.7	5.1952	2.6771	0.0234	7.8957	3.8662	2.3885	-0.008	6.2466
578	84	84.5	5.1973	2.667	0.0237	7.8881	3.797	2.4651	-0.0072	6.255
579	85.6	84.6	5.1995	2.6588	0.0243	7.8827	3.7964	2.4696	-0.007	6.259
580	85.2	84.5	5.1866	2.6655	0.0245	7.8766	3.7565	2.5065	-0.009	6.2541
581	83.6	84.6	5.1752	2.67	0.0243	7.8695	3.7468	2.5212	-0.0081	6.2599
582	81.8	84.4	5.1657	2.6731	0.024	7.8628	3.6743	2.5956	-0.0093	6.2606
583	81.5	84.3	5.1604	2.6694	0.0238	7.8536	3.8301	2.4672	-0.0116	6.2858

584	82.8	84.1	5.1371	2.6883	0.0239	7.8493	3.9703	2.3459	-0.0123	6.3039
585	82.4	83.9	5.1433	2.6729	0.024	7.8402	3.8913	2.3693	-0.0114	6.2492
586	77.8	83.8	5.1477	2.6658	0.0242	7.8377	3.7798	2.478	-0.0108	6.247
587	82.9	83.8	5.1539	2.6523	0.0242	7.8303	3.9176	2.3518	-0.0074	6.2619
588	85.4	83.7	5.1469	2.652	0.0243	7.8233	4.0225	2.2343	-0.0045	6.2524
589	85.5	83.5	5.1415	2.6496	0.0242	7.8153	3.9094	2.3341	-0.0008	6.2427
590	86.2	83.2	5.1379	2.6489	0.0241	7.8109	3.8334	2.4042	-0.0008	6.2368
591	84.4	83.2	5.1335	2.6497	0.0239	7.807	3.9368	2.3258	0.002	6.2646
592	83.5	83.1	5.1318	2.6421	0.0239	7.7978	3.8173	2.3939	0.0033	6.2145
593	85.2	83	5.1081	2.6542	0.0241	7.7864	3.8829	2.3391	0.0051	6.2272
594	82.7	83	5.0836	2.6737	0.0247	7.782	4.0024	2.2366	0.0136	6.2526
595	84.8	82.8	5.0856	2.6703	0.0247	7.7807	4.0836	2.1022	0.0196	6.2054
596	86.2	83.1	5.0956	2.6537	0.0247	7.774	3.9846	2.2228	0.0205	6.2279
597	82.8	83.1	5.0933	2.6514	0.0249	7.7696	3.6836	2.534	0.021	6.2386
598	81.1	83	5.09	2.6477	0.0246	7.7623	3.6259	2.5776	0.022	6.2256
599	80.7	82.9	5.0842	2.6462	0.0245	7.7549	3.6346	2.5712	0.0212	6.227
600	82.1	82.8	5.0908	2.6338	0.0247	7.7493	3.5731	2.6608	0.0187	6.2526
601	80.3	82.8	5.0996	2.618	0.0246	7.7422	3.5165	2.7067	0.0096	6.2329
602	80	82.8	5.1007	2.6117	0.0244	7.7368	3.5803	2.631	0.0007	6.212
603	82.3	82.5	5.1038	2.6017	0.0242	7.7298	3.5145	2.6582	-0.004	6.1688
604	79.1	82.5	5.103	2.5932	0.0242	7.7204	3.4406	2.7	-0.0081	6.1325
605	83.7	82.4	5.0997	2.5929	0.0242	7.7169	3.2414	2.893	-0.01	6.1244
606	82.7	82.1	5.0726	2.6145	0.0241	7.7112	3.1772	2.9238	-0.0137	6.0873
607	84.2	81.9	5.0665	2.614	0.0243	7.7049	3.0012	3.0808	-0.0163	6.0656
608	82.8	81.9	5.0713	2.6059	0.0244	7.7016	2.9056	3.1698	-0.0204	6.055
609	84.5	81.7	5.0728	2.5976	0.0248	7.6953	2.9552	3.1393	-0.0253	6.0692
610	85	81.5	5.068	2.5981	0.0253	7.6915	2.9963	3.033	-0.0291	6.0002
611	82.1	81.4	5.0686	2.5915	0.0254	7.6856	3.0634	2.9748	-0.026	6.0121
612	80.5	81.2	5.072	2.583	0.0254	7.6804	3.0199	3.0129	-0.0233	6.0095
613	81.9	81.1	5.0638	2.5862	0.0252	7.6751	3.0796	2.9277	-0.0249	5.9824
614	83	81	5.0623	2.5831	0.0249	7.6704	3.2031	2.7987	-0.0259	5.9759
615	81.7	80.9	5.0511	2.5856	0.0248	7.6615	3.1382	2.8596	-0.024	5.9738
616	79.1	80.7	5.0212	2.606	0.0248	7.652	3.1662	2.7833	-0.0235	5.9259
617	80.9	80.5	5.046	2.5796	0.0247	7.6503	3.1523	2.843	-0.0269	5.9684
618	77.2	80.4	5.0406	2.5792	0.0248	7.6446	3.1916	2.7888	-0.0305	5.9499
619	78	80.2	5.0419	2.5726	0.0249	7.6394	3.215	2.7573	-0.0345	5.9378
620	77.9	80	5.0455	2.5604	0.0249	7.6308	3.0211	2.9242	-0.0342	5.9111

621	77.1	80.1	5.043	2.5603	0.0249	7.6281	2.8986	3.0352	-0.0311	5.9028
622	78.7	80.3	5.0412	2.5561	0.0249	7.6222	3.1463	2.7922	-0.0211	5.9175
623	78.4	80.4	5.0415	2.5507	0.0248	7.617	3.0786	2.8623	-0.0148	5.9261
624	81.1	80.3	5.0481	2.5373	0.0244	7.6098	2.9657	3.0472	-0.0093	6.0036
625	79.9	80.4	5.0508	2.5273	0.0242	7.6023	2.9149	3.0416	-0.0087	5.9479
626	80.2	80.4	5.0484	2.5242	0.0241	7.5966	3.1581	2.8176	-0.0069	5.9688
627	80.7	80.4	5.0486	2.5167	0.0238	7.5891	2.9471	3.0122	-0.0035	5.9558
628	81	80.6	5.0425	2.5163	0.0236	7.5825	2.8797	3.0602	-0.0086	5.9312
629	80.7	80.6	5.0402	2.5129	0.0238	7.577	2.8837	3.0688	-0.007	5.9454
630	84.5	80.6	5.0353	2.5105	0.024	7.5698	3.3143	2.6619	-0.0046	5.9716
631	84.5	80.7	5.0351	2.5032	0.0241	7.5624	3.2155	2.7071	-0.0042	5.9185
632	82.9	80.9	5.0145	2.5158	0.0243	7.5546	3.0435	2.8775	-0.008	5.913
633	82.2	81.1	4.9943	2.5279	0.0244	7.5466	3.1384	2.7744	-0.0103	5.9025
634	82.2	81.1	4.9966	2.5245	0.0243	7.5454	3.17	2.6992	-0.0103	5.8589
635	80.3	81.2	5.002	2.5126	0.0241	7.5387	3.1617	2.7176	-0.0064	5.873
636	81.1	81.2	4.9818	2.5253	0.0237	7.5308	3.2238	2.6088	-0.0038	5.8288
637	80.3	81.2	4.9652	2.5363	0.0236	7.5251	3.4018	2.4713	-0.0033	5.8697
638	78.3	81.3	4.9689	2.5265	0.0235	7.5189	3.5087	2.3232	-0.0052	5.8266
639	77.1	81.3	4.9701	2.5197	0.0236	7.5134	3.4733	2.3583	-0.0048	5.8268
640	80.1	81.1	4.9551	2.5262	0.0236	7.5049	3.4969	2.3053	-0.006	5.7962
641	81.2	80.8	4.96	2.5189	0.0237	7.5026	3.5235	2.2816	-0.0071	5.7979
642	82.3	80.9	4.9477	2.5244	0.0239	7.496	3.4725	2.3742	-0.0098	5.8369
643	82.2	80.9	4.929	2.534	0.0235	7.4865	3.518	2.2827	-0.012	5.7887
644	81	81	4.9148	2.5475	0.0233	7.4856	3.4236	2.3199	-0.0106	5.7329
645	80.3	81	4.9182	2.5363	0.0232	7.4776	3.2227	2.5305	-0.0051	5.7481
646	80.7	81.1	4.9411	2.5062	0.0231	7.4704	3.3674	2.4344	-0.0068	5.795
647	82	81.1	4.9397	2.5021	0.023	7.4648	3.8065	1.9893	-0.0068	5.789
648	81.4	81.3	4.9323	2.5029	0.0229	7.4581	3.7899	2.0252	-0.0054	5.8097
649	80.4	81.5	4.9334	2.4934	0.0229	7.4497	3.8949	1.915	-0.0079	5.8021
650	80.2	81.4	4.9334	2.4904	0.0234	7.4472	3.8981	1.8826	-0.0079	5.7728
651	83.1	81.2	4.9212	2.4969	0.0241	7.4423	3.9968	1.7809	-0.003	5.7747
652	82.6	80.7	4.9218	2.4933	0.0245	7.4396	4.0856	1.6844	-0.0028	5.7673
653	84	80.3	4.9222	2.4884	0.0249	7.4356	4.1726	1.621	-0.003	5.7906
654	80.1	80.1	4.9374	2.4685	0.025	7.4308	4.2817	1.4939	-0.0026	5.773
655	84.2	79.8	4.9388	2.464	0.025	7.4278	4.2356	1.4789	-0.0013	5.7132
656	80.5	79.5	4.95	2.447	0.025	7.422	4.229	1.5029	-0.0018	5.7301
657	82.2	79.3	4.9541	2.4367	0.0251	7.416	4.1736	1.5895	-0.0021	5.761

658	80.7	79	4.9449	2.4378	0.0254	7.4082	4.1029	1.6125	0.0001	5.7155
659	77.8	78.9	4.9371	2.4452	0.0256	7.4079	4.1266	1.5953	0.0013	5.7232
660	76.4	78.8	4.9269	2.4479	0.0255	7.4002	4.4466	1.2764	0.0027	5.7257
661	74.1	78.6	4.9288	2.438	0.0254	7.3922	4.4332	1.3172	0.0086	5.759
662	73.2	78.4	4.9216	2.4417	0.0254	7.3886	4.5039	1.2347	0.011	5.7496
663	78.1	78.1	4.9001	2.4576	0.0254	7.3831	4.5815	1.1419	0.011	5.7344
664	74	78.1	4.905	2.4445	0.0253	7.3748	4.651	1.0861	0.0105	5.7475
665	75.6	77.9	4.9015	2.4446	0.0251	7.3712	4.7635	0.9791	0.0067	5.7493
666	77.9	77.9	4.9012	2.4385	0.0253	7.365	4.6216	1.1006	0.0042	5.7263
667	76.3	77.7	4.8968	2.4378	0.0255	7.3601	4.4648	1.2185	0.0017	5.685
668	77.6	77.6	4.8943	2.434	0.0256	7.354	4.8684	0.8538	-0.005	5.7172
669	78.5	77.5	4.9072	2.4151	0.0257	7.348	5.0844	0.6224	-0.0125	5.6942
670	79.4	77.6	4.9104	2.4057	0.0256	7.3417	5.1038	0.5771	-0.0161	5.6648
671	79.3	77.7	4.8819	2.4298	0.025	7.3368	5.2972	0.3258	-0.0188	5.6042
672	78	78	4.8831	2.4221	0.0246	7.3298	5.3249	0.3137	-0.0173	5.6214
673	79.5	78	4.8932	2.401	0.0243	7.3186	5.3777	0.246	-0.017	5.6068
674	81.3	78.3	4.9001	2.3923	0.0245	7.3169	5.527	0.094	-0.0161	5.6049
675	80.9	78.3	4.8818	2.4045	0.0245	7.3108	5.6487	-0.0473	-0.0187	5.5827
676	77.8	78.3	4.8974	2.3847	0.024	7.3062	5.7075	-0.1242	-0.0211	5.5622
677	78.6	78.3	4.9073	2.3711	0.0243	7.3026	5.8376	-0.2744	-0.0208	5.5424
678	77.1	78.2	4.909	2.3602	0.0244	7.2935	5.9699	-0.4125	-0.0224	5.535
679	77.2	78.2	4.8681	2.3926	0.0248	7.2855	5.7973	-0.2245	-0.0331	5.5397
680	76.9	78.1	4.865	2.3948	0.025	7.2848	5.7306	-0.1649	-0.0314	5.5343
681	77.8	78.1	4.8709	2.3823	0.0251	7.2782	5.7494	-0.2076	-0.0245	5.5173
682	78.3	78.1	4.8518	2.3957	0.0251	7.2726	5.7564	-0.2364	-0.0209	5.4991
683	79.3	77.9	4.8434	2.3995	0.0248	7.2677	5.7271	-0.2571	-0.0151	5.4549
684	75.5	77.6	4.8209	2.4166	0.0245	7.262	5.5471	-0.1037	-0.0117	5.4317
685	78.9	77.3	4.8209	2.412	0.0244	7.2573	5.4393	0.0449	-0.0137	5.4706
686	75	77.2	4.8075	2.4187	0.0245	7.2507	5.4582	0.0327	-0.0187	5.4721
687	77.1	77.1	4.803	2.4199	0.0247	7.2477	5.3192	0.1539	-0.0239	5.4491
688	77.2	77.1	4.7996	2.4162	0.0248	7.2406	5.249	0.2256	-0.0224	5.4523
689	78.8	77.2	4.7918	2.4191	0.0248	7.2357	5.2871	0.1755	-0.0199	5.4426
690	78.4	77.2	4.7855	2.4208	0.0248	7.2311	5.283	0.1878	-0.0175	5.4533
691	77.8	77.3	4.7862	2.4123	0.0248	7.2234	5.2293	0.2048	-0.0155	5.4186
692	75.8	77.5	4.78	2.4138	0.0251	7.219	5.1705	0.2959	-0.014	5.4524
693	76.3	77.4	4.7658	2.4222	0.0251	7.2131	5.1581	0.2753	-0.0132	5.4202
694	74.6	77.6	4.7613	2.4207	0.0252	7.2072	4.8218	0.5941	-0.0176	5.3983

695	75.3	77.7	4.7489	2.4269	0.0254	7.2012	4.6313	0.8485	-0.0228	5.4571
696	76.7	78	4.715	2.4547	0.0254	7.1951	4.7802	0.6438	-0.0274	5.3966
697	77.6	78.2	4.7143	2.4489	0.0254	7.1886	5.2252	0.1797	-0.0281	5.3768
698	78.7	78.1	4.7005	2.4562	0.0254	7.1821	5.9246	-0.4896	-0.0308	5.4042
699	78.2	77.9	4.6944	2.4579	0.0253	7.1776	6.1658	-0.7439	-0.0393	5.3826
700	79.5	77.8	4.6911	2.4557	0.025	7.1718	6.2649	-0.9369	-0.0429	5.2852
701	81	77.7	4.6911	2.4495	0.0249	7.1655	6.2507	-0.8899	-0.0361	5.3247
702	78.9	77.7	4.6834	2.4496	0.0247	7.1577	6.0761	-0.7288	-0.0277	5.3196
703	79	77.8	4.6757	2.4523	0.0245	7.1525	5.9643	-0.6047	-0.0266	5.333
704	80.6	77.9	4.6794	2.4453	0.0243	7.1491	5.9123	-0.5585	-0.0239	5.33
705	81.3	78	4.6768	2.4427	0.0244	7.1439	6.1342	-0.7792	-0.0219	5.3331
706	80	78	4.6552	2.4556	0.0243	7.1351	6.1529	-0.7722	-0.0199	5.3608
707	75.2	78	4.6563	2.4528	0.0243	7.1333	6.193	-0.8076	-0.0174	5.3681
708	76	78	4.6586	2.4463	0.0243	7.1293	6.1485	-0.7864	-0.0103	5.3518
709	76.6	77.9	4.6282	2.47	0.0245	7.1227	6.1991	-0.8832	-0.0065	5.3094
710	74.3	77.7	4.6247	2.4664	0.0245	7.1156	6.1744	-0.777	-0.0049	5.3925
711	76.7	77.5	4.6182	2.4681	0.0243	7.1106	6.0054	-0.6371	-0.0063	5.3619
712	77.3	77.5	4.6138	2.4688	0.0243	7.1069	6.098	-0.7844	-0.0071	5.3065
713	77.2	77.5	4.5987	2.4776	0.0241	7.1004	5.9148	-0.5616	-0.0047	5.3486
714	76.4	77.4	4.586	2.4852	0.0243	7.0955	5.5442	-0.217	-0.0075	5.3197
715	78.5	77.3	4.589	2.4755	0.0244	7.0889	5.6695	-0.3768	-0.0103	5.2825
716	77.4	77.3	4.5747	2.4841	0.0246	7.0835	5.5649	-0.2362	-0.0123	5.3163
717	77.1	77.4	4.5592	2.4942	0.0252	7.0786	5.4286	-0.1184	-0.0074	5.3028
718	76.4	77.6	4.5322	2.5169	0.0261	7.0752	5.2913	-0.0069	-0.0117	5.2727
719	76.5	77.8	4.5316	2.5149	0.0265	7.073	5.3439	-0.0694	-0.0169	5.2576
720	76.6	78.2	4.5158	2.5279	0.0268	7.0704	5.4001	-0.1443	-0.0214	5.2344
721	79.5	78.4	4.5105	2.5289	0.0266	7.066	5.3795	-0.1512	-0.0242	5.2041
722	78.6	78.5	4.5035	2.5315	0.0266	7.0615	5.1241	0.0984	-0.0303	5.1922
723	78.4	78.6	4.4888	2.5413	0.0264	7.0565	5.1492	0.0577	-0.035	5.1719
724	80.2	78.8	4.4832	2.5421	0.0263	7.0516	5.2089	-0.0542	-0.0385	5.1162
725	80.3	79	4.4801	2.5397	0.0263	7.0461	6.2036	-1.0002	-0.0362	5.1672
726	77.6	79.3	4.4646	2.5516	0.0261	7.0424	6.0999	-0.9314	-0.0361	5.1325
727	79.4	79.6	4.4516	2.558	0.0261	7.0356	6.1889	-1.0002	-0.0386	5.1501
728	80.1	80	4.4628	2.5388	0.0269	7.0285	6.077	-0.855	-0.035	5.187
729	80.8	80.2	4.4672	2.5294	0.0269	7.0235	6.0087	-0.91	-0.0339	5.0649
730	80.6	80.2	4.4603	2.5313	0.0265	7.018	5.7266	-0.6316	-0.0288	5.0662
731	79.8	80.2	4.4595	2.5268	0.0262	7.0125	5.5838	-0.4718	-0.0259	5.0861

732	78.3	80.4	4.4418	2.5416	0.0258	7.0091	5.4781	-0.3878	-0.0252	5.0651
733	81.3	80.5	4.4396	2.5382	0.0256	7.0035	5.2354	-0.1373	-0.0277	5.0705
734	81.5	80.7	4.4527	2.52	0.0257	6.9984	5.4619	-0.3766	-0.0309	5.0545
735	83.2	80.8	4.4561	2.5094	0.026	6.9915	5.3967	-0.3386	-0.032	5.0261
736	84.1	80.9	4.4499	2.51	0.0261	6.9859	5.4059	-0.3	-0.0338	5.0721
737	82.8	81.1	4.4403	2.5137	0.0258	6.9798	5.0784	-0.0416	-0.0301	5.0068
738	80.2	81.1	4.4402	2.5089	0.0255	6.9746	4.9356	0.1226	-0.0228	5.0355
739	77	81	4.4418	2.5009	0.0253	6.968	4.8953	0.1173	-0.0202	4.9923
740	80.1	80.9	4.4322	2.5057	0.0251	6.9631	4.9958	0.0216	-0.0229	4.9945
741	81.9	81	4.4429	2.4893	0.0251	6.9574	4.9468	0.0715	-0.0269	4.9914
742	80.5	81	4.4319	2.4969	0.0252	6.954	4.8749	0.1399	-0.0255	4.9893
743	83.1	80.8	4.4468	2.4746	0.0253	6.9467	4.8078	0.2183	-0.0219	5.0042
744	83.5	80.6	4.4517	2.4627	0.0255	6.9399	4.7461	0.2823	-0.0183	5.0102
745	79.8	80.3	4.4401	2.4719	0.0259	6.9379	4.7705	0.2277	-0.0201	4.9781
746	81.9	80.1	4.4185	2.4883	0.0259	6.9327	4.5143	0.4708	-0.0212	4.9639
747	80.7	79.9	4.3472	2.5511	0.0261	6.9244	4.4062	0.5518	-0.0217	4.9363
748	79	79.7	4.3157	2.5773	0.0268	6.9198	4.4821	0.471	-0.0235	4.9295
749	79.2	79.6	4.3069	2.5871	0.0272	6.9212	4.2714	0.6585	-0.0257	4.9041
750	80.6	79.5	4.3083	2.5794	0.027	6.9147	4.1868	0.727	-0.026	4.8878
751	78.7	79.2	4.3136	2.5698	0.0269	6.9103	4.1072	0.8101	-0.027	4.8902
752	77	79.1	4.3254	2.5538	0.0272	6.9063	4.2941	0.6	-0.0283	4.8657
753	77.7	78.8	4.331	2.5443	0.0273	6.9026	4.2122	0.6542	-0.027	4.8393
754	77.8	78.5	4.3239	2.5464	0.0272	6.8975	3.9979	0.8476	-0.0304	4.8151
755	80.9	78.5	4.3235	2.5413	0.027	6.8917	3.9243	0.9333	-0.0363	4.8213
756	79.2	78.4	4.3307	2.5278	0.0267	6.8852	4.0342	0.8231	-0.0387	4.8187
757	76.2	78.3	4.3393	2.5154	0.0262	6.8808	3.9487	0.8858	-0.0387	4.7957
758	75.7	78	4.325	2.5262	0.0261	6.8772	3.8635	1.0002	-0.0387	4.825
759	77.6	78	4.3197	2.523	0.0261	6.8687	3.7704	1.1034	-0.05	4.8238
760	76.6	78	4.3263	2.5116	0.0262	6.864	3.4469	1.4198	-0.0478	4.8188
761	78.6	78	4.319	2.5164	0.0261	6.8616	3.4552	1.3536	-0.0465	4.7623
762	77.6	78	4.3301	2.4978	0.0259	6.8538	3.3488	1.4775	-0.048	4.7784
763	76.8	78	4.3457	2.4793	0.0261	6.8511	3.344	1.4693	-0.0484	4.7649
764	79.4	78.1	4.3381	2.4822	0.0263	6.8466	3.2632	1.5338	-0.0493	4.7477
765	79.9	78	4.345	2.4683	0.0263	6.8395	3.2329	1.5785	-0.0458	4.7657
766	78.5	77.9	4.3584	2.4503	0.0261	6.8348	3.2733	1.5106	-0.0387	4.7452
767	74.8	78	4.3676	2.4385	0.0266	6.8328	3.249	1.5297	-0.0303	4.7484
768	78.1	78.2	4.3599	2.4409	0.0273	6.8282	3.1958	1.573	-0.0242	4.7446

769	80.5	78.1	4.3672	2.4296	0.0278	6.8246	2.9947	1.7767	-0.0208	4.7506
770	79.1	78	4.3724	2.4208	0.028	6.8213	3.0138	1.7731	-0.0179	4.769
771	77.4	77.9	4.3695	2.42	0.028	6.8176	3.1668	1.8982	-0.1492	4.9159
772	78.3	77.8	4.3682	2.4164	0.0281	6.8126	3.1118	1.8415	-0.1722	4.7811
773	79.3	77.9	4.3723	2.4064	0.0282	6.8069	2.9961	1.9447	-0.1743	4.7666
774	78	77.8	4.2798	2.4923	0.0281	6.8002	2.8797	2.0555	-0.177	4.7582
775	78.5	77.8	4.2718	2.4976	0.0281	6.7976	2.7317	2.2014	-0.1803	4.7528
776	78	78	4.2785	2.4848	0.0279	6.7912	2.7606	2.1697	-0.1792	4.7511
777	77.9	78.3	4.2996	2.4566	0.0278	6.7839	2.6451	2.2708	-0.182	4.7339
778	77	78.4	4.3081	2.4512	0.0278	6.787	2.4421	2.4464	-0.1994	4.689
779	74.9	78.2	4.2954	2.4558	0.0276	6.7789	2.4716	2.3803	-0.2113	4.6406
780	75.5	78.1	4.3067	2.442	0.0275	6.7762	2.5238	2.3201	-0.2126	4.6312
781	76.1	78.2	4.3231	2.421	0.0276	6.7717	2.5244	2.3094	-0.2167	4.6172
782	78.3	78.3	4.3283	2.4094	0.0278	6.7655	2.5562	2.2546	-0.2189	4.5919
783	78.1	78.2	4.2972	2.4372	0.0279	6.7623	2.5199	2.3226	-0.2231	4.6195
784	80.4	78.3	4.2812	2.4504	0.0277	6.7594	2.329	2.4868	-0.226	4.5898
785	82	78.3	4.2803	2.442	0.0278	6.7501	2.8624	1.9501	-0.2255	4.587
786	80.6	78.5	4.2997	2.4228	0.0275	6.75	2.9411	1.8514	-0.2242	4.5682
787	79.4	78.6	4.3094	2.4077	0.027	6.7441	3.0211	1.8333	-0.2237	4.6307
788	76.3	78.6	4.3101	2.4045	0.0268	6.7414	3.0455	1.7206	-0.224	4.5421
789	77.8	78.8	4.2922	2.4169	0.0271	6.7362	3.2046	1.5823	-0.2264	4.5605
790	80.1	79	4.2908	2.4136	0.0275	6.7319	3.2352	1.516	-0.2272	4.5239
791	79.5	79.2	4.2987	2.3983	0.0274	6.7244	3.1973	1.5426	-0.2285	4.5114
792	78.1	79.1	4.2993	2.392	0.0273	6.7185	3.3868	1.3455	-0.2284	4.5039
793	79.1	79	4.2911	2.394	0.027	6.7121	3.2452	1.5067	-0.2277	4.5242
794	79.5	78.8	4.2843	2.3979	0.0272	6.7093	3.6758	1.0712	-0.2248	4.5221
795	80.6	78.5	4.2975	2.3798	0.0275	6.7048	3.665	1.0581	-0.2215	4.5016
796	80.1	78.4	4.2744	2.3995	0.0276	6.7015	3.1223	1.5919	-0.2189	4.4953
797	77.7	78.3	4.2661	2.4018	0.0278	6.6956	2.8747	1.878	-0.2183	4.5343
798	78.6	78.2	4.2733	2.3903	0.028	6.6916	2.1584	2.5046	-0.2162	4.4468
799	78.7	78.2	4.2757	2.3852	0.0279	6.6888	1.8716	2.7783	-0.2092	4.4408
800	79.4	78.1	4.2804	2.3747	0.0277	6.6828	1.8332	2.8998	-0.206	4.5271
801	77.8	77.9	4.2616	2.3895	0.0277	6.6789	1.8768	2.8136	-0.2063	4.484
802	75.5	78.1	4.2622	2.3842	0.0274	6.6738	2.0494	2.64	-0.2084	4.481
803	76.4	78.2	4.2759	2.3676	0.0275	6.671	2.2084	2.4855	-0.2059	4.488
804	77.3	78.2	4.287	2.352	0.028	6.6669	2.3536	2.3508	-0.2029	4.5015
805	77.5	78.1	4.2734	2.3603	0.0282	6.662	2.3451	2.3416	-0.2031	4.4837

806	76.8	78	4.2603	2.367	0.0282	6.6555	2.3634	2.3163	-0.2044	4.4753
807	75	78	4.2699	2.3528	0.0282	6.6508	2.5393	2.1442	-0.2058	4.4778
808	77.9	78.1	4.2816	2.336	0.0293	6.6469	2.7053	1.9683	-0.2085	4.4652
809	78.3	78.2	4.2835	2.328	0.0293	6.6408	2.4629	2.2317	-0.2063	4.4883
810	76.6	78.2	4.2792	2.331	0.0291	6.6393	2.1825	2.4775	-0.202	4.458
811	80.3	78.2	4.2833	2.3203	0.0291	6.6328	2.3517	2.3198	-0.1959	4.4756
812	81.4	78.5	4.2794	2.3219	0.0291	6.6304	2.4709	2.1926	-0.1945	4.4689
813	80.1	78.5	4.2723	2.3242	0.0291	6.6256	2.7017	1.9284	-0.1986	4.4315
814	79.4	78.5	4.2627	2.3273	0.0289	6.6189	3.0118	1.6565	-0.1963	4.472
815	77.2	78.5	4.2616	2.3245	0.0283	6.6143	3.0619	1.5937	-0.1976	4.4579
816	78	78.5	4.2498	2.3312	0.0277	6.6086	3.2095	1.3529	-0.2032	4.3591
817	80.3	78.6	4.2396	2.3369	0.0276	6.6041	3.5051	1.068	-0.2076	4.3655
818	81	78.5	4.2327	2.3393	0.0281	6.6001	3.7007	0.8762	-0.2008	4.3761
819	78.6	78.2	4.2302	2.3376	0.0283	6.596	3.7552	0.8214	-0.1919	4.3848
820	77.8	77.9	4.1991	2.338	0.0417	6.5788	3.9717	0.5886	-0.1836	4.3767
821	80.9	77.6	4.1993	2.3448	0.0438	6.5879	4.1216	0.4441	-0.1797	4.386
822	77.6	77	4.2039	2.337	0.044	6.5849	4.1013	0.485	-0.1756	4.4107
823	76.3	76.6	4.2009	2.3357	0.0441	6.5807	4.0894	0.4668	-0.1768	4.3794
824	77.6	76.2	4.2101	2.3219	0.0443	6.5763	4.2689	0.2743	-0.1805	4.3627
825	77	76.1	4.204	2.3227	0.0442	6.5709	3.4369	1.0535	-0.1815	4.309
826	77.2	75.9	4.2001	2.3246	0.0443	6.569	3.4922	1.0085	-0.182	4.3187
827	75.6	75.6	4.2074	2.3133	0.046	6.5667	3.6909	0.7793	-0.1856	4.2846
828	72.8	75.2	4.2156	2.3008	0.0481	6.5644	3.9958	0.4416	-0.1896	4.2477
829	72	75	4.2148	2.2974	0.0482	6.5604	4.1521	0.3304	-0.1927	4.2899
830	74	74.7	4.2079	2.3003	0.0481	6.5563	4.1175	0.3411	-0.193	4.2656
831	69.7	74.4	4.2039	2.3014	0.0481	6.5533	4.3039	0.1722	-0.1927	4.2834
832	71.8	74.3	4.1898	2.3093	0.0481	6.5472	4.5758	-0.1239	-0.188	4.2639
833	73.3	74.1	4.2067	2.2896	0.0482	6.5445	4.7188	-0.2735	-0.1844	4.2609
834	75.2	73.9	4.1664	2.325	0.0482	6.5397	4.5931	-0.1373	-0.18	4.2759
835	73.9	73.9	4.162	2.3242	0.0484	6.5347	4.497	-0.0433	-0.1777	4.276
836	73.9	73.8	4.1478	2.3266	0.0484	6.5228	4.5388	-0.1362	-0.1758	4.2267
837	73.7	73.8	4.1357	2.3417	0.0482	6.5256	4.8028	-0.3522	-0.1781	4.2725
838	73.9	74.1	4.1197	2.3507	0.0482	6.5185	5.003	-0.5651	-0.1811	4.2568
839	73.6	74.3	4.1183	2.3493	0.0481	6.5157	5.1036	-0.6459	-0.184	4.2737
840	74.3	74.4	4.1124	2.3515	0.048	6.5119	5.0982	-0.6407	-0.1836	4.2739
841	75.2	74.7	4.1043	2.3548	0.0479	6.507	5.2222	-0.8032	-0.1809	4.238
842	72.7	75	4.1074	2.3462	0.048	6.5016	5.3876	-0.9675	-0.1865	4.2337

843	74	75.2	4.0792	2.3675	0.0478	6.4945	5.5197	-1.1488	-0.1942	4.1766
844	76.4	75	4.0852	2.3568	0.0477	6.4897	5.4347	-1.0903	-0.2002	4.1442
845	76.1	74.9	4.1279	2.3127	0.0478	6.4884	5.4886	-1.1306	-0.1943	4.1637
846	76	74.8	4.1311	2.3005	0.0477	6.4793	5.6629	-1.3435	-0.1865	4.1329
847	78.2	74.7	4.1314	2.3006	0.0477	6.4797	5.459	-1.1525	-0.1823	4.1243
848	76.2	74.7	4.1285	2.2995	0.0477	6.4757	5.5162	-1.2682	-0.1757	4.0723
849	75.6	74.6	4.1236	2.2971	0.0478	6.4685	5.7377	-1.4281	-0.1703	4.1393
850	75.9	74.5	4.1206	2.298	0.0476	6.4663	5.8669	-1.5436	-0.1693	4.1539
851	77.5	74.2	4.1087	2.3058	0.0477	6.4622	5.9963	-1.6841	-0.1706	4.1416
852	75.7	74.2	4.1045	2.3052	0.0478	6.4575	5.9106	-1.5864	-0.1733	4.1509
853	72.9	74	4.0956	2.3092	0.0476	6.4524	5.9507	-1.6223	-0.1804	4.1479
854	71.7	73.7	4.0894	2.3122	0.0475	6.4492	6.1269	-1.7972	-0.1824	4.1473
855	72.4	73.5	4.0872	2.3096	0.0474	6.4442	6.283	-1.9717	-0.1755	4.1358
856	71.5	73.2	4.0767	2.3133	0.0473	6.4374	6.1651	-1.8761	-0.1706	4.1184
857	72.7	72.8	4.0688	2.3185	0.047	6.4343	6.0322	-1.7644	-0.1721	4.0957
858	71.6	72.6	4.0787	2.303	0.0467	6.4284	6.2871	-2.0188	-0.1741	4.0941
859	72.4	72.3	4.1014	2.2752	0.0463	6.4229	6.5192	-2.232	-0.1693	4.1179
860	70.7	71.9	4.0911	2.2796	0.0457	6.4165	6.6157	-2.3617	-0.1739	4.0801
861	72	71.5	4.0719	2.2972	0.0456	6.4147	6.6585	-2.3989	-0.1785	4.0811
862	71.5	71.2	4.0599	2.305	0.0457	6.4106	6.8566	-2.6109	-0.1772	4.0685
863	70.7	71	4.0445	2.3136	0.0458	6.4039	6.8792	-2.6321	-0.1739	4.0733
864	70.5	70.7	4.0319	2.3228	0.0461	6.4008	6.8519	-2.6029	-0.1693	4.0797
865	70.9	70.5	4.0241	2.333	0.0466	6.4036	6.7984	-2.5968	-0.1687	4.0329
866	71.2	70.2	4.0079	2.3435	0.0468	6.3982	6.6166	-2.4183	-0.1706	4.0277
867	71.7	69.9	3.9976	2.3509	0.0467	6.3952	6.4888	-2.2848	-0.1694	4.0345
868	69.4	69.7	3.9844	2.3588	0.0465	6.3897	6.4454	-2.2609	-0.1708	4.0138
869	70	69.6	3.97	2.3707	0.0462	6.3869	6.4024	-2.2249	-0.1678	4.0097
870	69.4	69.4	3.9603	2.3764	0.046	6.3827	6.4038	-2.1972	-0.1738	4.0328
871	69.6	69.1	3.9594	2.3715	0.0456	6.3765	6.1489	-2.2221	-0.0481	3.8788
872	68.3	69	3.9593	2.3697	0.0458	6.3747	6.2861	-2.243	-0.0297	4.0134
873	67.2	69	3.9455	2.379	0.0462	6.3707	6.487	-2.4427	-0.0285	4.0158
874	67.9	68.9	3.9361	2.387	0.0463	6.3693	6.4932	-2.4628	-0.0256	4.0048
875	66.9	68.8	3.9226	2.3968	0.0463	6.3657	6.7263	-2.7259	-0.0232	3.9772
876	66.4	68.7	3.9094	2.4068	0.0465	6.3627	6.769	-2.7958	-0.0237	3.9494
877	68.5	68.7	3.9	2.4124	0.0468	6.3591	6.9064	-2.903	-0.0226	3.9809
878	69.6	68.7	3.8929	2.4181	0.047	6.358	7.1507	-3.1789	-0.0001	3.9718
879	67.1	68.8	3.8837	2.4217	0.0469	6.3523	7.3514	-3.3706	0.0238	4.0046

880	66.7	68.8	3.8763	2.4247	0.0468	6.3478	7.4053	-3.4048	0.03	4.0305
881	69.6	68.9	3.8655	2.4334	0.0464	6.3453	7.5706	-3.5696	0.0289	4.0298
882	70	69	3.8564	2.4368	0.0463	6.3395	7.6655	-3.6455	0.027	4.047
883	68.5	69	3.8379	2.4509	0.0459	6.3347	7.594	-3.6213	0.0277	4.0004
884	69.9	69.3	3.8315	2.4548	0.0455	6.3318	7.8321	-3.8497	0.0287	4.0111
885	69.3	69.5	3.8264	2.4556	0.0454	6.3274	7.4818	-3.5052	0.025	4.0017
886	70.2	69.8	3.8194	2.4581	0.0453	6.3228	7.4726	-3.5009	0.0246	3.9963
887	70.5	69.9	3.8091	2.4642	0.0451	6.3184	7.3798	-3.4695	0.0265	3.9368
888	70.9	69.9	3.7997	2.4691	0.0452	6.314	7.3404	-3.3221	0.0227	4.041
889	69.7	70	3.7824	2.481	0.0454	6.3088	7.3629	-3.3374	0.0174	4.043
890	71.2	70.1	3.7686	2.4939	0.0456	6.3081	7.2686	-3.2719	0.0231	4.0198
891	70.9	70	3.76	2.495	0.046	6.3011	7.3875	-3.367	0.0331	4.0536
892	67.6	69.9	3.7473	2.5069	0.0467	6.3009	7.3215	-3.2949	0.0353	4.062
893	73.4	69.8	3.7477	2.503	0.047	6.2977	7.4269	-3.4146	0.0353	4.0476
894	70.7	69.8	3.7354	2.5109	0.0466	6.293	7.2256	-3.2348	0.0353	4.0261
895	71.4	69.8	3.7312	2.5142	0.0461	6.2915	7.3512	-3.3495	0.0316	4.0333
896	70.9	69.9	3.7285	2.5148	0.0458	6.2891	7.7786	-3.7524	0.027	4.0531
897	69.4	70	3.7145	2.5286	0.0453	6.2884	7.87	-3.8837	0.0202	4.0065
898	68.8	70	3.6996	2.5331	0.045	6.2777	7.9685	-3.9362	0.017	4.0492
899	68.8	70.1	3.689	2.5396	0.0448	6.2735	7.9494	-3.9232	0.0197	4.046
900	68.4	70.1	3.6808	2.5431	0.0448	6.2687	7.8877	-3.8977	0.0238	4.0138
901	67.8	70	3.6706	2.5482	0.0451	6.2638	7.9003	-3.8646	0.02	4.0557
902	66.6	70.2	3.6671	2.5464	0.0454	6.259	7.8006	-3.7549	0.0186	4.0643
903	69.8	70	3.6632	2.5473	0.0458	6.2562	7.7445	-3.7251	0.0205	4.0399
904	69.6	69.9	3.6587	2.5492	0.0455	6.2534	7.6239	-3.5902	0.0016	4.0353
905	72	69.8	3.6569	2.548	0.0453	6.2501	7.5566	-3.5145	-0.0027	4.0394
906	71.7	69.7	3.6571	2.5434	0.0454	6.2459	7.5365	-3.5233	-0.0005	4.0126
907	72.3	69.8	3.6412	2.5546	0.0456	6.2414	7.4336	-3.4383	0.0035	3.9988
908	71	69.9	3.6297	2.5592	0.0462	6.2351	7.4029	-3.3982	0.004	4.0087
909	70.4	70	3.6219	2.5642	0.0467	6.2328	7.5478	-3.5575	0.0009	3.9912
910	70.1	70.2	3.6133	2.5709	0.047	6.2312	7.8233	-3.8354	-0.0088	3.9791
911	70.1	70.3	3.5977	2.5814	0.0468	6.2259	7.7415	-3.7756	-0.0186	3.9472
912	70.5	70.3	3.5915	2.5851	0.0465	6.2231	7.5997	-3.5985	-0.022	3.9792
913	69.1	70.2	3.5872	2.5845	0.046	6.2176	7.2194	-3.2429	-0.019	3.9574
914	69.6	70.2	3.5829	2.587	0.0457	6.2156	7.0335	-3.0763	-0.0087	3.9485
915	67.9	70	3.6	2.5663	0.0453	6.2116	6.9538	-2.9844	0.0053	3.9748
916	71.7	70	3.6009	2.5597	0.0446	6.2052	7.3648	-3.126	0.0004	4.2393

917	71.4	69.9	3.5951	2.563	0.0447	6.2028	7.3175	-3.2056	-0.0227	4.0893
918	70.6	69.9	3.5925	2.5618	0.0449	6.1991	7.2041	-3.1158	-0.0296	4.0587
919	71	69.8	3.5898	2.5573	0.0457	6.1928	7.115	-3.047	-0.0366	4.0313
920	70.3	69.7	3.5842	2.5602	0.0465	6.1909	6.9761	-2.9166	-0.0415	4.0181
921	67.3	69.8	3.5707	2.5691	0.0468	6.1866	6.8883	-2.8431	-0.0438	4.0015
922	66.9	69.8	3.5552	2.5813	0.0468	6.1833	6.9117	-2.88	-0.047	3.9847
923	69.9	70	3.5515	2.582	0.0467	6.1802	6.9587	-2.9053	-0.0469	4.0065
924	69	70.2	3.5374	2.5945	0.0466	6.1786	6.8338	-2.7929	-0.0394	4.0016
925	70.3	70.4	3.5271	2.6023	0.0466	6.176	6.7887	-2.7211	-0.0348	4.0329
926	71.9	70.5	3.5094	2.6149	0.0466	6.1709	6.7158	-2.6406	-0.0351	4.0401
927	69.8	70.5	3.4923	2.6312	0.046	6.1695	6.6357	-2.5663	-0.0366	4.0328
928	69.6	70.7	3.4805	2.6378	0.0457	6.164	6.6166	-2.5539	-0.0349	4.0278
929	68.2	70.9	3.4743	2.6379	0.0452	6.1574	6.5989	-2.5181	-0.0291	4.0518
930	71.4	71.1	3.4508	2.6573	0.0452	6.1533	6.5556	-2.5011	-0.0283	4.0262
931	71.2	71.6	3.4373	2.6659	0.0454	6.1486	6.5681	-2.532	-0.0314	4.0047
932	72.2	72	3.4304	2.6714	0.0453	6.1471	6.5263	-2.4771	-0.0445	4.0047
933	72.4	72.2	3.4235	2.6745	0.0453	6.1434	6.4327	-2.4044	-0.0519	3.9764
934	72.5	72.5	3.4183	2.6755	0.0457	6.1395	6.2497	-2.2361	-0.0551	3.9585
935	73.8	72.8	3.4148	2.6743	0.046	6.135	6.2774	-2.2357	-0.0581	3.9836
936	72.3	72.9	3.4098	2.6736	0.0458	6.1292	6.2722	-2.2594	-0.0618	3.9509
937	73	73.2	3.4017	2.6739	0.0459	6.1215	6.1938	-2.1877	-0.0627	3.9433
938	74.6	73.4	3.3834	2.6844	0.0464	6.1142	6.1673	-2.148	-0.075	3.9443
939	74.8	73.8	3.3914	2.6765	0.0457	6.1137	6.0937	-2.1261	-0.0747	3.893
940	75.9	74	3.3737	2.6882	0.0447	6.1066	6.1511	-2.2715	-0.0718	3.8079
941	75.8	74.1	3.3721	2.6843	0.0444	6.1008	6.1586	-2.1815	-0.0712	3.9059
942	73.3	74.3	3.3647	2.6877	0.0444	6.0969	6.0963	-2.1624	-0.068	3.8659
943	73.7	74.3	3.3567	2.6909	0.0443	6.0919	6.0051	-2.0614	-0.0641	3.8796
944	76.2	74.3	3.35	2.6918	0.0445	6.0864	6.1188	-2.1825	-0.0591	3.8772
945	75.2	74.4	3.3501	2.6879	0.0451	6.0831	6.1157	-2.1827	-0.0601	3.8729
946	74.8	74.3	3.3441	2.6888	0.0457	6.0786	6.0386	-2.0737	-0.066	3.8989
947	73.9	74.3	3.3346	2.6943	0.046	6.0748	6.1502	-2.1696	-0.0717	3.9089
948	74.8	74.1	3.3336	2.6918	0.0457	6.0711	6.1667	-2.1397	-0.0794	3.9476
949	76.5	73.9	3.3348	2.6869	0.0454	6.0671	5.8898	-1.9616	-0.085	3.8432
950	72.9	73.4	3.3306	2.6845	0.0456	6.0607	5.8001	-1.8418	-0.0845	3.8738
951	75.6	73	3.3286	2.6813	0.0459	6.0558	5.6943	-1.7361	-0.0836	3.8745
952	71.7	72.9	3.3301	2.6778	0.0457	6.0535	5.6901	-1.7399	-0.0819	3.8683
953	73.5	72.7	3.3332	2.6682	0.0474	6.0489	5.6516	-1.7559	-0.0773	3.8184

954	74.4	72.3	3.3338	2.6637	0.0478	6.0452	5.6104	-1.6925	-0.0729	3.845
955	72	71.8	3.3335	2.662	0.0475	6.0429	5.4647	-1.5225	-0.0739	3.8683
956	72.5	71.5	3.3334	2.6572	0.047	6.0375	5.3122	-1.3712	-0.0831	3.8579
957	71.3	71.3	3.3285	2.6584	0.0466	6.0334	5.288	-1.3594	-0.0907	3.838
958	69.6	71	3.3239	2.6587	0.0466	6.0293	5.1014	-1.1804	-0.091	3.83
959	68	70.5	3.3191	2.6587	0.0471	6.025	5.0343	-1.1544	-0.0855	3.7944
960	68	70.2	3.317	2.6572	0.0476	6.0218	5.0143	-1.1252	-0.0822	3.807
961	69.9	69.7	3.312	2.657	0.0478	6.0168	5.0025	-1.1348	-0.0816	3.7861
962	70.5	69.3	3.338	2.6293	0.0476	6.0149	4.9379	-1.0732	-0.0855	3.7793
963	68.7	69	3.3412	2.6213	0.0466	6.0091	4.8826	-1.0089	-0.0867	3.787
964	65.5	68.6	3.3365	2.6213	0.0455	6.0033	5.3329	-1.2298	-0.2933	3.8098
965	69.4	68.1	3.2876	2.6456	0.0466	5.9797	6.1597	-1.4864	-0.7603	3.913
966	70.8	67.8	3.2761	2.6641	0.0491	5.9893	5.8741	-1.2632	-0.7573	3.8537
967	68.9	67.5	3.2772	2.6625	0.0497	5.9893	5.7642	-1.1726	-0.7732	3.8184
968	67.3	67.1	3.2729	2.6635	0.0502	5.9866	5.6194	-1.0302	-0.7759	3.8133
969	66.6	66.9	3.2724	2.6624	0.0503	5.9851	5.4971	-0.9185	-0.7718	3.8068
970	65	66.7	3.2714	2.6607	0.0503	5.9825	5.3994	-0.8875	-0.76	3.7518
971	65.2	66.5	3.2682	2.6595	0.0503	5.978	5.3448	-0.8177	-0.7518	3.7752
972	68	66.2	3.2634	2.6602	0.0504	5.974	5.1673	-0.6737	-0.7471	3.7464
973	66.5	66	3.2621	2.6583	0.0502	5.9705	5.0493	-0.5696	-0.7448	3.7349
974	62.7	65.9	3.2572	2.6591	0.0497	5.966	5.5936	-1.1283	-0.7263	3.7391
975	65.9	65.6	3.251	2.6608	0.0498	5.9617	5.2386	-0.7625	-0.7292	3.7468
976	65.1	65.3	3.2458	2.6635	0.0501	5.9594	5.0119	-0.5182	-0.7197	3.774
977	63	65	3.2383	2.6678	0.0503	5.9564	4.8129	-0.364	-0.7221	3.7268
978	64.4	64.8	3.233	2.6699	0.05	5.9529	4.6455	-0.1389	-0.7299	3.7767
979	64.4	64.9	3.2281	2.6718	0.0498	5.9497	4.499	-0.0129	-0.7386	3.7475
980	65.8	64.8	3.2195	2.6779	0.0499	5.9474	4.4417	0.0004	-0.7457	3.6964
981	64.2	64.8	3.2128	2.6811	0.0509	5.9448	4.2091	0.2255	-0.748	3.6866
982	64.4	64.6	3.2131	2.6772	0.0515	5.9418	4.0509	0.3781	-0.7479	3.6811
983	64.2	64.6	3.2129	2.6745	0.0514	5.9389	4.0071	0.4421	-0.7478	3.7014
984	63.7	64.7	3.2038	2.6783	0.0513	5.9335	4.0006	0.4213	-0.742	3.6799
985	64.8	64.8	3.1992	2.6815	0.0516	5.9323	4.0677	0.3574	-0.7462	3.6789
986	63.4	64.8	3.2	2.6768	0.0516	5.9284	4.0922	0.2974	-0.7572	3.6325
987	64.4	64.8	3.1924	2.679	0.0526	5.924	4.0566	0.2848	-0.7532	3.5882
988	67	64.8	3.1903	2.6817	0.0527	5.9247	4.0085	0.3126	-0.753	3.5682
989	63.4	64.6	3.1673	2.7082	0.0526	5.9281	3.8509	0.4518	-0.759	3.5436
990	66.6	64.5	3.1528	2.7121	0.0527	5.9175	4.0018	0.3798	-0.8071	3.5746

991	64.1	64.5	3.1503	2.7113	0.0528	5.9145	3.8284	0.5103	-0.8254	3.5133
992	65.8	64.4	3.1468	2.713	0.0531	5.9129	3.8202	0.4991	-0.8299	3.4894
993	65.3	64.4	3.1358	2.7213	0.0529	5.91	3.7498	0.5531	-0.8309	3.472
994	66.5	64.5	3.1238	2.7292	0.0526	5.9057	3.6862	0.5892	-0.8291	3.4464
995	64.9	64.5	3.1273	2.7215	0.0527	5.9016	3.6427	0.5913	-0.827	3.407
996	64.9	64.6	3.1134	2.7318	0.053	5.8982	3.6927	0.53	-0.8248	3.3979
997	63.5	64.6	3.0978	2.7426	0.0533	5.8936	3.6466	0.5403	-0.8192	3.3678
998	61.2	64.4	3.1106	2.7293	0.0535	5.8934	3.5793	0.5937	-0.8177	3.3552
999	62.3	64.3	3.109	2.7238	0.0533	5.8861	3.5727	0.5973	-0.8171	3.353
1000	64.2	64.1	3.1113	2.7167	0.0531	5.8812	3.6325	0.5467	-0.824	3.3552
1001	63.3	64	3.1016	2.7222	0.0533	5.877	3.6424	0.499	-0.8233	3.318
1002	64.9	63.8	3.102	2.722	0.0532	5.8772	3.6516	0.4424	-0.8149	3.2791
1003	65.6	63.6	3.1021	2.7165	0.0531	5.8717	3.7655	0.3552	-0.8136	3.307
1004	64.2	63.4	3.1122	2.7014	0.0529	5.8665	3.8836	0.2011	-0.8046	3.2801
1005	65.5	63.3	3.1257	2.6851	0.0536	5.8644	3.8362	0.2229	-0.8015	3.2576
1006	63.5	63.2	3.1283	2.6794	0.0545	5.8621	3.7602	0.2925	-0.7994	3.2533
1007	63.3	63.1	3.1311	2.6727	0.0547	5.8584	3.7546	0.2707	-0.81	3.2153
1008	62.4	63.2	3.1263	2.6746	0.0548	5.8557	3.7341	0.2801	-0.8176	3.1966
1009	62.9	63.2	3.1205	2.6767	0.0549	5.8521	3.7231	0.2571	-0.8152	3.1649
1010	62.4	63	3.1131	2.6844	0.0551	5.8526	3.664	0.3246	-0.8235	3.1651
1011	61.4	62.8	3.1039	2.6887	0.0554	5.848	3.7029	0.2654	-0.8099	3.1583
1012	61.7	62.6	3.1033	2.686	0.0552	5.8444	3.6795	0.2484	-0.7971	3.1308
1013	63.3	62.5	3.0539	2.7075	0.0753	5.8367	3.9087	0.0272	-0.7987	3.1373
1014	63	62.4	2.9669	2.7357	0.1218	5.8243	3.941	-0.0119	-0.8106	3.1184
1015	61.8	62.2	3.0126	2.6926	0.1211	5.8262	3.8862	0.0321	-0.8202	3.0981
1016	61.6	62.2	3.0245	2.6769	0.1219	5.8233	3.4268	0.2707	-0.8052	2.8923
1017	63.6	62.2	3.0331	2.666	0.1223	5.8214	3.3442	0.4522	-0.7751	3.0213
1018	61.9	62.2	3.0428	2.6536	0.1221	5.8185	3.3634	0.4661	-0.7721	3.0574
1019	60.4	62.2	3.0499	2.646	0.1217	5.8176	3.3056	0.5026	-0.7626	3.0456
1020	60.2	62.1	3.0497	2.642	0.1217	5.8134	3.384	0.4214	-0.7506	3.0549
1021	60.8	62.4	3.054	2.6364	0.1215	5.8119	3.3467	0.4708	-0.7708	3.0467
1022	63.6	62.8	3.0502	2.6383	0.1213	5.8098	3.2927	0.4778	-0.7671	3.0033
1023	62.5	62.9	2.9922	2.6948	0.1193	5.8063	3.2425	0.5468	-0.7636	3.0257
1024	61.3	63.2	3.0136	2.6708	0.1195	5.8039	3.2664	0.4914	-0.757	3.0008
1025	62.7	63.7	3.0259	2.6541	0.1186	5.7986	3.2351	0.5256	-0.7729	2.9878
1026	63.7	64.1	3.0282	2.6513	0.1188	5.7982	3.1267	0.6168	-0.7762	2.9672
1027	63.2	64.3	3.0277	2.6451	0.119	5.7919	3.0753	0.6521	-0.7649	2.9625

1028	62.4	64.6	3.0306	2.6391	0.1195	5.7892	3.0464	0.6796	-0.7608	2.9652
1029	61.2	65	3.0301	2.6379	0.1198	5.7877	3.0747	0.6478	-0.7614	2.9611
1030	66.6	65.4	3.0299	2.6347	0.12	5.7847	3.0912	0.6505	-0.7638	2.9779
1031	68.5	65.8	3.0322	2.6281	0.1202	5.7805	3.0482	0.7008	-0.7715	2.9775
1032	66.6	66	3.0297	2.6272	0.1201	5.777	2.9695	0.7477	-0.7859	2.9314
1033	68.8	66.2	3.0235	2.6324	0.1195	5.7754	2.9228	0.7887	-0.7851	2.9265
1034	69.8	66.4	3.0115	2.6398	0.1203	5.7716	2.9542	0.7657	-0.7847	2.9353
1035	70.8	66.5	3.0055	2.6446	0.1217	5.7718	2.9505	0.7476	-0.7877	2.9105
1036	67.2	66.6	3.0041	2.6451	0.1211	5.7703	3.0099	0.7237	-0.7908	2.9428
1037	66.4	66.6	3.0008	2.6426	0.1212	5.7647	3.0273	0.6696	-0.7965	2.9004
1038	68	66.8	2.9983	2.6392	0.1223	5.7599	2.944	0.7322	-0.7951	2.8811
1039	68.3	66.9	2.9913	2.6385	0.1265	5.7562	2.9644	0.7491	-0.7922	2.9212
1040	69.2	66.8	2.9908	2.6371	0.1272	5.7552	2.8055	0.9752	-0.794	2.9868
1041	67.6	66.6	2.9901	2.6344	0.1274	5.7518	2.623	1.0656	-0.7882	2.9003
1042	65.3	66.5	2.9897	2.6324	0.1275	5.7497	2.5734	1.1103	-0.7872	2.8965
1043	64.9	66.3	2.988	2.632	0.1272	5.7472	2.575	1.1231	-0.7944	2.9037
1044	64.6	66	2.9858	2.6327	0.1272	5.7457	2.4699	1.228	-0.7962	2.9017
1045	66.1	65.8	2.9808	2.6349	0.1276	5.7433	2.3318	1.3344	-0.7847	2.8815
1046	64	65.8	2.9794	2.6348	0.1276	5.7418	2.3831	1.2327	-0.7587	2.8571
1047	64.8	65.7	2.9766	2.6349	0.1278	5.7393	2.3176	1.2799	-0.7524	2.8451
1048	63.2	65.6	2.9763	2.6321	0.1274	5.7358	2.1305	1.444	-0.7516	2.8229
1049	64.5	65.4	2.9715	2.6323	0.1278	5.7316	2.2504	1.3694	-0.7728	2.847
1050	64.9	65.2	2.9664	2.6346	0.128	5.7289	2.2539	1.3295	-0.7922	2.7912
1051	64.9	65	2.9635	2.6371	0.1274	5.7279	2.2968	1.26	-0.7977	2.7591
1052	64.5	64.9	2.9535	2.6422	0.1271	5.7228	2.2145	1.3343	-0.812	2.7368
1053	65.3	64.6	2.9449	2.6481	0.1279	5.7209	2.1592	1.4199	-0.8162	2.7628
1054	66.6	64.5	2.9502	2.6414	0.1279	5.7195	1.9524	1.6001	-0.82	2.7325
1055	67.4	64.2	2.9575	2.6327	0.1274	5.7176	2.0708	1.4554	-0.822	2.7043
1056	64.2	64	2.9579	2.6301	0.128	5.716	2.4885	1.0376	-0.8193	2.7069
1057	66.2	63.8	2.9551	2.6304	0.1284	5.7138	2.6674	0.8336	-0.7999	2.7011
1058	64.4	63.6	2.9516	2.633	0.1281	5.7128	2.727	0.7343	-0.7798	2.6816
1059	64.5	63.4	2.9527	2.6263	0.1295	5.7085	2.7433	0.7305	-0.7981	2.6757
1060	64.7	63.1	2.9467	2.6306	0.1286	5.7059	2.7615	0.6908	-0.7949	2.6574
1061	62.7	63	2.944	2.6322	0.1275	5.7037	2.6764	0.7944	-0.7899	2.6809
1062	60.4	63	2.9471	2.6266	0.1275	5.7012	2.534	0.91	-0.7809	2.6631
1063	61.1	62.9	2.9471	2.6225	0.1277	5.6972	2.5035	0.944	-0.7865	2.661
1064	62.3	62.8	2.9479	2.6181	0.1275	5.6935	2.007	1.203	-0.6024	2.6076

1065	59.6	62.5	2.9449	2.6185	0.1271	5.6905	1.1642	1.4714	-0.1337	2.5019
1066	60	62.2	2.9417	2.6189	0.1266	5.6872	1.6659	1.007	-0.1256	2.5474
1067	60	61.9	2.9408	2.6159	0.1269	5.6836	1.8307	0.8082	-0.1073	2.5316
1068	60.8	61.7	2.9424	2.6132	0.1264	5.682	1.9765	0.6662	-0.1091	2.5336
1069	59.5	61.4	2.934	2.6202	0.1254	5.6796	2.2146	0.4146	-0.1366	2.4926
1070	63.2	61.2	2.9368	2.6137	0.1274	5.6778	2.2904	0.3546	-0.1429	2.502
1071	64	61.1	2.939	2.6117	0.127	5.6777	2.305	0.3041	-0.1335	2.4756
1072	63.6	61.1	2.9391	2.6055	0.1268	5.6715	2.3315	0.2717	-0.1258	2.4774
1073	63.8	61.2	2.9354	2.6091	0.1259	5.6704	2.0027	0.624	-0.1233	2.5034
1074	62.3	61.3	2.9337	2.6065	0.127	5.6672	1.748	0.8847	-0.1564	2.4762
1075	59.5	61.5	2.9384	2.5992	0.1274	5.665	1.98	0.667	-0.1653	2.4817
1076	60.4	61.5	2.9383	2.5983	0.1266	5.6632	2.0728	0.5596	-0.1771	2.4552
1077	59.9	61.5	2.9337	2.5998	0.1263	5.6599	2.0851	0.5697	-0.1738	2.481
1078	59.2	61.5	2.9255	2.6051	0.1261	5.6567	2.1885	0.442	-0.1745	2.4561
1079	60.7	61.5	2.919	2.6068	0.1261	5.6519	2.3098	0.3163	-0.1737	2.4524
1080	60.1	61.2	2.9146	2.6079	0.1271	5.6496	2.3341	0.275	-0.1754	2.4337
1081	61.8	60.9	2.9159	2.6064	0.1294	5.6517	2.3934	0.2153	-0.1704	2.4382
1082	62.6	60.7	2.9209	2.5983	0.13	5.6492	2.2842	0.3162	-0.1629	2.4375
1083	63.4	60.5	2.9175	2.5979	0.1299	5.6453	2.3125	0.2725	-0.1677	2.4173
1084	62.8	60.4	2.9088	2.6036	0.1301	5.6424	2.2361	0.3641	-0.1706	2.4296
1085	60.2	60.4	2.8982	2.6092	0.1306	5.638	2.0202	0.541	-0.1609	2.4004
1086	60.5	60.3	2.8973	2.6099	0.1312	5.6384	1.904	0.7161	-0.1484	2.4717
1087	61	60.4	2.898	2.6058	0.1321	5.6359	1.977	0.5937	-0.1533	2.4174
1088	58.7	60.4	2.8939	2.6068	0.1319	5.6326	1.8858	0.675	-0.1515	2.4093
1089	58.1	60.2	2.8867	2.6106	0.132	5.6294	1.8469	0.7059	-0.1313	2.4216
1090	58	60.1	2.8905	2.6055	0.1315	5.6275	1.8094	0.7757	-0.1738	2.4114
1091	60.1	60	2.893	2.6002	0.1316	5.6248	1.6555	0.9529	-0.2523	2.3561
1092	60.2	59.6	2.8893	2.6007	0.1325	5.6226	1.5286	1.0868	-0.2768	2.3387
1093	60.7	59.3	2.8888	2.5985	0.1325	5.6198	1.4626	1.1567	-0.2887	2.3306
1094	59	59	2.8907	2.5958	0.1311	5.6175	1.4413	1.1952	-0.3161	2.3204
1095	58.9	58.8	2.889	2.5983	0.1286	5.6159	1.4169	1.2258	-0.3243	2.3184
1096	60.8	58.7	2.8817	2.6038	0.1282	5.6137	1.3915	1.228	-0.3218	2.2977
1097	60	58.6	2.8848	2.5982	0.1284	5.6114	1.3774	1.2385	-0.2978	2.3181
1098	57.4	58.5	2.8856	2.5924	0.1308	5.6087	1.2821	1.3296	-0.3044	2.3072
1099	58	58.4	2.8836	2.5908	0.1325	5.607	1.2737	1.2963	-0.3015	2.2686
1100	58.7	58.2	2.8817	2.5907	0.1329	5.6053	1.1865	1.3615	-0.3017	2.2463
1101	56	57.9	2.8801	2.5887	0.1345	5.6033	1.0751	1.467	-0.2958	2.2463

1102	57.3	57.6	2.886	2.58	0.1348	5.6009	0.9713	1.5912	-0.3013	2.2612
1103	57.1	57.1	2.9069	2.5565	0.1351	5.5985	0.8536	1.6452	-0.258	2.2408
1104	57.1	56.8	2.9052	2.5559	0.1351	5.5961	0.8942	1.5464	-0.1873	2.2532
1105	57.8	56.4	2.8768	2.5813	0.1355	5.5937	0.9422	1.4731	-0.1492	2.2661
1106	58.9	56	2.8616	2.596	0.1345	5.592	0.961	1.513	-0.1498	2.3242
1107	57.6	55.8	2.8584	2.5992	0.1327	5.5903	0.8427	1.6253	-0.1399	2.3281
1108	56.8	55.8	2.8519	2.6016	0.1346	5.5881	0.9252	1.5576	-0.16	2.3228
1109	54.3	55.7	2.8443	2.6076	0.1344	5.5863	0.8892	1.6225	-0.1622	2.3496
1110	53.9	55.5	2.8454	2.605	0.1341	5.5845	0.9541	1.5527	-0.1674	2.3394
1111	54.5	55.3	2.8505	2.5977	0.1335	5.5817	0.9495	1.6026	-0.2212	2.3309
1112	51.3	55.3	2.8529	2.5916	0.1338	5.5783	0.988	1.5865	-0.2575	2.317
1113	52.1	55.1	2.8532	2.5872	0.1356	5.5759	1.0621	1.517	-0.2684	2.3107
1114	52.4	54.9	2.8505	2.5885	0.1351	5.5741	1.1177	1.4463	-0.2857	2.2783
1115	53.8	54.8	2.846	2.5919	0.1336	5.5715	1.2239	1.3501	-0.3166	2.2573
1116	55.4	54.7	2.8414	2.5961	0.1326	5.5702	1.2423	1.3253	-0.3297	2.238
1117	57	54.7	2.8355	2.5994	0.1332	5.5681	1.2201	1.326	-0.3209	2.2252
1118	56.5	54.6	2.8213	2.6121	0.1358	5.5692	1.2096	1.3067	-0.3125	2.2038
1119	53.9	54.7	2.8208	2.6106	0.136	5.5674	1.3205	1.1894	-0.3013	2.2086
1120	52.8	54.8	2.8192	2.6116	0.135	5.5659	1.2401	1.2478	-0.3065	2.1814
1121	57.1	55	2.8208	2.6093	0.1341	5.5642	1.2805	1.2451	-0.3456	2.1799
1122	53.7	55.3	2.85	2.5759	0.1337	5.5595	1.337	1.2251	-0.355	2.2071
1123	53.3	55.5	2.8174	2.6064	0.135	5.5587	1.4033	1.1123	-0.3423	2.1733
1124	56.1	55.7	2.8156	2.6041	0.136	5.5557	1.4507	1.0361	-0.3337	2.1531
1125	56.9	55.8	2.8186	2.5982	0.1363	5.5531	1.5021	0.9495	-0.3192	2.1324
1126	57.5	55.8	2.8196	2.5943	0.1362	5.5501	1.6049	0.8525	-0.3192	2.1381
1127	55.6	55.8	2.8089	2.6009	0.1365	5.5463	1.6563	0.8105	-0.3393	2.1275
1128	55.3	55.8	2.7996	2.6075	0.1369	5.544	1.6663	0.7711	-0.3378	2.0997
1129	57	56.1	2.7967	2.6104	0.1373	5.5443	1.6482	0.8141	-0.3601	2.1022
1130	57.7	56.3	2.7906	2.6132	0.1371	5.5409	1.5927	0.831	-0.3708	2.0529
1131	55.9	56.2	2.8038	2.5965	0.1365	5.5368	1.5566	0.7852	-0.3056	2.0362
1132	55.9	56.3	2.7984	2.6	0.1369	5.5353	1.6055	0.7499	-0.2697	2.0857
1133	56.6	56.3	2.7998	2.596	0.1366	5.5324	1.6601	0.7041	-0.2742	2.09
1134	55.3	56.3	2.8095	2.5857	0.1364	5.5316	1.664	0.6855	-0.2635	2.086
1135	55.3	56.2	2.8151	2.573	0.1365	5.5246	1.6758	0.636	-0.2093	2.1025
1136	57.8	55.9	2.8064	2.5857	0.1364	5.5286	1.5933	0.6799	-0.1821	2.0911
1137	57.4	55.9	2.8123	2.5751	0.1364	5.5238	1.6151	0.6786	-0.1673	2.1264
1138	58.1	55.7	2.8136	2.5686	0.1354	5.5177	1.6617	0.6245	-0.1496	2.1366

1139	58	55.6	2.8103	2.5609	0.1438	5.5151	1.7097	0.5509	-0.1453	2.1153
1140	55.6	55.4	2.8253	2.5419	0.1525	5.5196	1.7593	0.5345	-0.1856	2.1081
1141	53.9	55.4	2.8372	2.5257	0.1551	5.518	1.9159	0.4782	-0.2661	2.128
1142	54.4	55.3	2.8435	2.5167	0.1564	5.5166	1.9513	0.4752	-0.3224	2.1042
1143	56.1	55.2	2.8439	2.5125	0.1588	5.5152	2.0242	0.4651	-0.3953	2.094
1144	53.8	55	2.8441	2.5101	0.1597	5.5139	1.9782	0.5681	-0.4554	2.0909
1145	52.7	54.9	2.8416	2.5121	0.1598	5.5135	1.9514	0.6429	-0.4977	2.0966
1146	55.6	54.8	2.8417	2.511	0.1574	5.51	1.935	0.6915	-0.5357	2.0908
1147	52	54.9	2.8484	2.502	0.1582	5.5086	1.889	0.7217	-0.5242	2.0866
1148	54.4	54.6	2.849	2.5024	0.1576	5.509	1.9932	0.6012	-0.5096	2.0849
1149	54.6	54.5	2.8529	2.4961	0.1579	5.5069	2.0163	0.5513	-0.484	2.0836
1150	54.5	54.6	2.8589	2.4879	0.1575	5.5043	2.05	0.47	-0.4377	2.0823
1151	54.1	54.7	2.8663	2.478	0.1575	5.5018	2.064	0.4517	-0.431	2.0846
1152	54.8	54.8	2.8682	2.4777	0.1529	5.4988	2.0592	0.4544	-0.4197	2.0938
1153	51.9	54.9	2.8555	2.4935	0.1466	5.4956	2.0669	0.4405	-0.409	2.0985
1154	54.5	55	2.8559	2.4941	0.1428	5.4929	2.272	0.2411	-0.4072	2.1059
1155	55.2	55.1	2.8614	2.4814	0.1424	5.4852	2.3656	0.1352	-0.4185	2.0824
1156	58.2	55	2.8736	2.4676	0.142	5.4832	2.2729	0.1755	-0.4023	2.0461
1157	53	55	2.8625	2.4746	0.1444	5.4815	2.1715	0.2483	-0.3873	2.0325
1158	56.6	54.9	2.8627	2.4708	0.1443	5.4778	2.1617	0.2728	-0.4024	2.0321
1159	57.7	54.9	2.8573	2.471	0.1462	5.4745	2.2268	0.1245	-0.3372	2.0141
1160	55.1	54.8	2.8518	2.4704	0.1507	5.4728	2.3111	-0.0021	-0.2655	2.0435
1161	56.9	54.6	2.8452	2.4735	0.1532	5.472	2.3285	-0.0508	-0.2499	2.0279
1162	57.7	54.5	2.8409	2.4749	0.1543	5.4701	2.4273	-0.1659	-0.2442	2.0172
1163	55.5	54.5	2.8353	2.4778	0.1563	5.4694	2.5291	-0.2846	-0.2408	2.0037
1164	54.3	54.3	2.8255	2.4831	0.1592	5.4678	2.6851	-0.4319	-0.2453	2.0079
1165	54.1	54.2	2.8207	2.486	0.1601	5.4667	2.7534	-0.4489	-0.2962	2.0083
1166	52.2	53.9	2.8197	2.4863	0.1587	5.4646	2.7202	-0.3959	-0.3464	1.9778
1167	52.7	53.9	2.8199	2.4852	0.1581	5.4632	2.6365	-0.306	-0.3627	1.9678
1168	53.9	53.7	2.8103	2.4943	0.1566	5.4612	2.5958	-0.2648	-0.3648	1.9662
1169	52.1	53.5	2.81	2.4954	0.1561	5.4615	2.4539	-0.1091	-0.3633	1.9815
1170	51.7	53.4	2.8087	2.4892	0.162	5.4599	2.4541	-0.1543	-0.3231	1.9767
1171	53.1	53.2	2.8053	2.4892	0.1625	5.457	2.4362	-0.1547	-0.2761	2.0054
1172	51.3	52.9	2.7988	2.4943	0.161	5.4541	2.5664	-0.3182	-0.2679	1.9804
1173	51	52.7	2.7904	2.5055	0.1592	5.4551	2.8181	-0.5817	-0.2655	1.971
1174	52.2	52.6	2.7835	2.5116	0.1589	5.454	2.4345	-0.1868	-0.2453	2.0025
1175	53.1	52.5	2.7779	2.5139	0.1594	5.4511	2.386	-0.18	-0.24	1.966

1176	53.4	52.3	2.7727	2.5172	0.1605	5.4504	2.4653	-0.2514	-0.2447	1.9692
1177	52.5	52.2	2.767	2.5227	0.1601	5.4499	2.4716	-0.288	-0.2251	1.9585
1178	52.8	52.2	2.7607	2.5237	0.1621	5.4465	2.3977	-0.2379	-0.2224	1.9374
1179	53.9	52.3	2.7597	2.5237	0.1632	5.4466	2.3138	-0.147	-0.2411	1.9257
1180	53.3	52.4	2.759	2.5293	0.1577	5.446	2.4017	-0.1305	-0.3154	1.9559
1181	52.4	52.4	2.7553	2.5314	0.1564	5.4431	2.404	-0.0263	-0.4309	1.9468
1182	50.4	52.6	2.7548	2.5279	0.1574	5.4402	2.5218	-0.1087	-0.4984	1.9147
1183	53.4	52.7	2.7511	2.5294	0.1562	5.4367	2.6015	-0.2142	-0.4976	1.8897
1184	51.8	52.7	2.7412	2.54	0.151	5.4322	2.6724	-0.276	-0.5001	1.8962
1185	49.1	52.7	2.7389	2.5412	0.1488	5.4289	2.8027	-0.4237	-0.4887	1.8903
1186	51	52.7	2.7358	2.542	0.148	5.4258	2.9092	-0.6407	-0.4188	1.8496
1187	52.6	52.8	2.7318	2.5433	0.1471	5.4222	2.9027	-0.5404	-0.4756	1.8867
1188	53.9	52.8	2.7229	2.5517	0.1464	5.4211	3.0014	-0.6544	-0.4974	1.8496
1189	54.3	52.7	2.7108	2.5572	0.1506	5.4186	3.0308	-0.6947	-0.5303	1.8057
1190	53.7	52.5	2.6989	2.5577	0.1581	5.4147	3.0382	-0.774	-0.4579	1.8062
1191	54.6	52.6	2.6979	2.5527	0.1638	5.4144	3.2743	-1.0249	-0.3623	1.887
1192	51.9	52.6	2.6869	2.5542	0.1721	5.4132	3.4265	-1.2027	-0.326	1.8977
1193	52.9	52.5	2.691	2.5417	0.178	5.4107	3.5351	-1.3414	-0.3056	1.8881
1194	53.5	52.5	2.6955	2.5315	0.1809	5.4079	3.6628	-1.4682	-0.2898	1.9048
1195	53.7	52.5	2.6955	2.5291	0.1822	5.4068	3.6989	-1.4916	-0.2967	1.9106
1196	54.6	52.5	2.6928	2.5316	0.1806	5.405	3.617	-1.4613	-0.2337	1.9219
1197	52.1	52.3	2.6854	2.5381	0.1794	5.4029	3.5473	-1.3325	-0.3137	1.9011
1198	51.3	52.1	2.6839	2.5372	0.1792	5.4003	3.658	-1.4282	-0.3222	1.9076
1199	51	51.9	2.6786	2.5438	0.1763	5.3987	3.7162	-1.4857	-0.3208	1.9098
1200	52.9	51.8	2.6753	2.5456	0.176	5.3968	3.7627	-1.537	-0.3182	1.9075
1201	50.7	51.6	2.6742	2.5433	0.1765	5.3939	3.8407	-1.6494	-0.2829	1.9083
1202	51.8	51.5	2.6794	2.536	0.1757	5.391	3.9543	-1.7741	-0.2726	1.9076
1203	51.3	51.3	2.6797	2.5324	0.1758	5.3879	4.0208	-1.8118	-0.3018	1.9072
1204	49.8	51.1	2.6686	2.5423	0.1769	5.3879	3.8946	-1.6788	-0.3168	1.8991
1205	51.7	50.8	2.6495	2.5638	0.1758	5.3891	3.882	-1.6829	-0.315	1.884
1206	48.5	50.4	2.6444	2.5712	0.1732	5.3888	3.8958	-1.7602	-0.3055	1.8302
1207	50.3	50.2	2.6422	2.572	0.1729	5.387	4.0469	-1.8899	-0.3071	1.8498
1208	50.1	50.2	2.6292	2.5891	0.1683	5.3867	3.9289	-1.7912	-0.2886	1.8491
1209	51.5	50.2	2.6132	2.6078	0.1609	5.382	3.9221	-1.8104	-0.2915	1.8202
1210	51	50.1	2.6126	2.61	0.1591	5.3817	3.8955	-1.8069	-0.2905	1.7981
1211	50.5	50.1	2.6078	2.6143	0.1579	5.38	3.8166	-1.772	-0.2441	1.8005
1212	48.7	50.1	2.6	2.6201	0.1579	5.378	3.7468	-1.7029	-0.2403	1.8036

1213	48.8	50.1	2.5847	2.6303	0.1601	5.3751	3.6857	-1.6768	-0.2188	1.7901
1214	48.2	50.2	2.5751	2.6334	0.1647	5.3733	3.6695	-1.7001	-0.1827	1.7866
1215	48.1	50.2	2.5739	2.6315	0.1683	5.3737	3.6562	-1.6957	-0.1437	1.8167
1216	48.5	50.4	2.5778	2.6267	0.1689	5.3734	3.6214	-1.6579	-0.1471	1.8163
1217	50.8	50.4	2.5759	2.6259	0.1697	5.3715	3.6179	-1.6084	-0.1913	1.8182
1218	51.4	50.3	2.5759	2.6231	0.1721	5.3711	3.6387	-1.6198	-0.1953	1.8235
1219	49.5	50.3	2.5754	2.626	0.1683	5.3697	3.5459	-1.506	-0.2133	1.8267
1220	52.4	50.4	2.5756	2.6271	0.1627	5.3653	3.6059	-1.4747	-0.2531	1.8782
1221	50.6	50.4	2.5642	2.6411	0.1609	5.3661	3.6237	-1.5179	-0.2417	1.8641
1222	50.6	50.5	2.5681	2.634	0.1602	5.3624	3.6186	-1.5399	-0.2368	1.8419
1223	52.7	50.6	2.5739	2.6251	0.1595	5.3585	3.6388	-1.5117	-0.2656	1.8616
1224	51.6	50.7	2.577	2.6221	0.16	5.3591	3.588	-1.4263	-0.2822	1.8795
1225	52	50.7	2.5721	2.6233	0.1608	5.3562	3.5121	-1.3382	-0.2846	1.8893
1226	50.1	50.8	2.5725	2.6231	0.1587	5.3543	3.4987	-1.333	-0.292	1.8737
1227	49.7	50.8	2.5691	2.6247	0.1587	5.3525	3.4303	-1.251	-0.2899	1.8893
1228	51.3	50.6	2.5682	2.6222	0.161	5.3514	3.343	-1.1511	-0.2914	1.9005
1229	51.3	50.5	2.5565	2.6234	0.1688	5.3488	3.2729	-1.1236	-0.2683	1.8811
1230	50.8	50.3	2.5502	2.6158	0.1802	5.3462	3.2368	-1.0973	-0.2583	1.8811
1231	50.5	50.3	2.5516	2.6074	0.1863	5.3453	3.1987	-0.9741	-0.3176	1.907
1232	51	50.2	2.5383	2.6214	0.1866	5.3463	3.1659	-0.9534	-0.3293	1.8831
1233	50.2	49.9	2.5326	2.6236	0.1866	5.3428	3.2028	-1.0295	-0.2772	1.8961
1234	48.6	49.8	2.5292	2.6281	0.1853	5.3425	3.2346	-1.0259	-0.3196	1.8891
1235	50.8	49.7	2.5242	2.637	0.1784	5.3397	3.1515	-0.9654	-0.3539	1.8322
1236	49.4	49.6	2.5161	2.6398	0.184	5.3399	3.1769	-0.965	-0.3816	1.8303
1237	47.7	49.7	2.5121	2.6406	0.1861	5.3388	3.2274	-1.0635	-0.3779	1.786
1238	48.7	49.6	2.5106	2.6381	0.1885	5.3372	3.1969	-1.0037	-0.3852	1.808
1239	48.5	49.6	2.5065	2.6383	0.1896	5.3345	3.069	-0.84	-0.4274	1.8017
1240	49.8	49.7	2.4979	2.6444	0.1887	5.3309	2.9229	-0.7694	-0.3925	1.7609
1241	48.8	49.7	2.4946	2.6459	0.1877	5.3282	2.8385	-0.7658	-0.3385	1.7342
1242	48.2	49.7	2.49	2.6509	0.187	5.3278	2.8813	-0.7925	-0.3292	1.7596
1243	49.4	49.8	2.4776	2.6593	0.1878	5.3247	2.7854	-0.7842	-0.2659	1.7353
1244	49.8	50	2.4742	2.6592	0.1893	5.3228	2.863	-0.8471	-0.289	1.7268
1245	48	50	2.4799	2.6583	0.1831	5.3213	3.1595	-1.101	-0.3279	1.7307
1246	51.3	50	2.487	2.6442	0.1888	5.3199	3.2118	-1.1554	-0.3549	1.7015
1247	49.3	50	2.4826	2.6448	0.1904	5.3178	3.1454	-1.0799	-0.3777	1.6878
1248	51.4	50.1	2.4773	2.651	0.1897	5.318	3.0286	-0.9257	-0.4126	1.6903
1249	53.5	50.2	2.4766	2.6498	0.1898	5.3162	2.9057	-0.7937	-0.4389	1.673

1250	50.9	50.1	2.4748	2.6528	0.1858	5.3135	2.7208	-0.5945	-0.4719	1.6545
1251	50.5	50.3	2.4709	2.6554	0.1848	5.311	2.7236	-0.5944	-0.4773	1.6518
1252	52.3	50.5	2.4661	2.6589	0.183	5.308	2.6781	-0.5843	-0.4609	1.6329
1253	51.8	50.6	2.466	2.6614	0.1783	5.3057	2.7692	-0.6992	-0.4564	1.6136
1254	50.5	50.8	2.4677	2.6624	0.1743	5.3045	2.7759	-0.7507	-0.4349	1.5904
1255	49.8	50.9	2.4718	2.6574	0.1729	5.3022	2.6262	-0.6995	-0.317	1.6096
1256	48.4	50.9	2.469	2.6566	0.1727	5.2982	2.411	-0.5563	-0.2053	1.6494
1257	49.6	50.9	2.4696	2.6537	0.1732	5.2966	2.3516	-0.5626	-0.1529	1.636
1258	49.7	50.8	2.4705	2.6518	0.1735	5.2958	2.3482	-0.5959	-0.1008	1.6515
1259	48.6	50.6	2.4677	2.6517	0.1753	5.2947	2.2291	-0.4323	-0.1275	1.6692
1260	51.7	50.5	2.4701	2.6476	0.1751	5.2928	2.0872	-0.2637	-0.1895	1.6341
1261	52.1	50.5	2.4705	2.6438	0.1773	5.2916	2.1465	-0.275	-0.2023	1.6692
1262	52.9	50.3	2.4723	2.6425	0.1762	5.2911	2.0922	-0.1938	-0.2187	1.6797
1263	51.7	50.3	2.4683	2.6479	0.1745	5.2907	2.0074	-0.1055	-0.227	1.6749
1264	51.1	50.3	2.4599	2.6526	0.1736	5.2861	1.9482	-0.0728	-0.209	1.6664
1265	50.5	50.3	2.4585	2.6518	0.1748	5.285	2.0265	-0.1635	-0.192	1.6709
1266	50.3	50.4	2.4579	2.6471	0.1778	5.2828	2.0108	-0.1289	-0.1835	1.6984
1267	48.5	50.5	2.456	2.6472	0.1777	5.2809	2.0177	-0.128	-0.1921	1.6976
1268	50.2	50.6	2.4557	2.6449	0.1779	5.2785	1.9825	-0.0885	-0.2113	1.6828
1269	49.8	50.6	2.4494	2.6429	0.1814	5.2736	1.9876	-0.058	-0.2335	1.6962
1270	49.8	50.6	2.4463	2.6409	0.1862	5.2734	2.4652	-0.3607	-0.2725	1.832
1271	49.4	50.5	2.4434	2.6432	0.1862	5.2728	2.5905	-0.5105	-0.4029	1.6772
1272	50.6	50.3	2.4349	2.6455	0.1876	5.268	2.4692	-0.3716	-0.4104	1.6872
1273	51.3	50.2	2.4315	2.6482	0.1875	5.2672	2.3681	-0.3209	-0.3822	1.665
1274	50.3	50.2	2.4323	2.6454	0.1874	5.265	2.3645	-0.3261	-0.402	1.6363
1275	50.3	50.1	2.428	2.6472	0.1886	5.2638	2.3233	-0.2064	-0.452	1.6649
1276	51.2	49.8	2.4297	2.6423	0.1895	5.2615	2.2519	-0.1012	-0.512	1.6387
1277	50.5	49.8	2.4327	2.6378	0.1893	5.2598	2.2227	-0.0227	-0.5888	1.6112
1278	49.7	49.7	2.4334	2.6361	0.1889	5.2584	2.1528	0.0481	-0.5814	1.6195
1279	51.2	49.6	2.436	2.6334	0.1891	5.2585	2.1038	0.0995	-0.5737	1.6296
1280	50.4	49.5	2.4391	2.6268	0.1894	5.2553	1.9577	0.1659	-0.5101	1.6136
1281	48.9	49.3	2.4388	2.6267	0.1893	5.2548	1.8605	0.1258	-0.3838	1.6025
1282	49.7	49.1	2.4346	2.6309	0.1851	5.2506	1.838	0.0607	-0.2925	1.6062
1283	50.6	48.9	2.4276	2.632	0.1882	5.2478	1.7244	0.25	-0.3262	1.6482
1284	48.3	48.8	2.426	2.6365	0.1864	5.2489	1.5983	0.3437	-0.3286	1.6134
1285	46.4	48.7	2.4212	2.6377	0.187	5.2459	1.5449	0.3856	-0.287	1.6434
1286	47.7	48.5	2.413	2.6484	0.1858	5.2472	1.4737	0.4219	-0.259	1.6365

1287	47.7	48.4	2.4121	2.6437	0.1856	5.2414	1.3854	0.4595	-0.2083	1.6367
1288	48	48.3	2.416	2.6357	0.1892	5.2409	1.3695	0.4673	-0.2105	1.6263
1289	47.5	48.1	2.4185	2.6341	0.1898	5.2425	1.3604	0.4123	-0.1451	1.6276
1290	46.5	47.8	2.415	2.6343	0.192	5.2413	1.3168	0.3926	-0.1017	1.6077
1291	46.7	47.7	2.4097	2.632	0.1967	5.2384	1.2284	0.463	-0.1095	1.5819
1292	46.9	47.6	2.4083	2.6326	0.1987	5.2396	1.2546	0.4507	-0.1243	1.581
1293	48.3	47.4	2.4047	2.6264	0.2069	5.238	1.2896	0.4466	-0.1419	1.5942
1294	48.2	47.2	2.3796	2.6416	0.2137	5.2348	1.162	0.5396	-0.1237	1.5778
1295	48.7	47.2	2.3743	2.6447	0.2177	5.2367	1.0961	0.5755	-0.0895	1.5821
1296	47.4	47.1	2.3782	2.6396	0.2184	5.2362	1.1559	0.5724	-0.1461	1.5822
1297	47.7	47.1	2.3826	2.6306	0.2206	5.2338	1.316	0.3851	-0.1116	1.5895
1298	47.7	47.1	2.3934	2.6166	0.2231	5.233	1.2813	0.3454	-0.0495	1.5772
1299	45.9	47.2	2.4065	2.6033	0.2235	5.2333	1.2421	0.4377	-0.0828	1.5969
1300	46.9	47.3	2.4029	2.605	0.2237	5.2316	1.348	0.359	-0.0944	1.6127
1301	47.5	47.3	2.4064	2.6017	0.2225	5.2307	1.3877	0.3801	-0.1575	1.6103
1302	46.2	47.4	2.4024	2.6059	0.2213	5.2297	1.3988	0.3577	-0.1632	1.5933
1303	44.8	47.4	2.4021	2.6075	0.2193	5.2289	1.4047	0.3658	-0.1936	1.5769
1304	46.1	47.3	2.406	2.6123	0.2087	5.2269	1.4539	0.4066	-0.2834	1.5771
1305	46.3	47.3	2.4084	2.6194	0.1963	5.2241	1.5026	0.4405	-0.3522	1.5909
1306	47.6	47.4	2.4093	2.6274	0.1885	5.2252	1.6158	0.3592	-0.3947	1.5803
1307	48.2	47.3	2.4074	2.6316	0.183	5.2219	1.6114	0.3375	-0.3969	1.5521
1308	49.5	47.3	2.4063	2.6324	0.1811	5.2198	1.5999	0.3479	-0.3895	1.5583
1309	48.1	47.4	2.4045	2.6342	0.1799	5.2186	1.5919	0.3053	-0.3464	1.5508
1310	47.4	47.4	2.3979	2.6375	0.1793	5.2148	1.5214	0.2677	-0.2234	1.5656
1311	48	47.4	2.3985	2.6337	0.1797	5.212	1.5081	0.2245	-0.1954	1.5372
1312	48.5	47.5	2.3993	2.6306	0.1806	5.2105	1.5237	0.08	-0.1598	1.4439
1313	46.7	47.7	2.3898	2.6376	0.181	5.2085	1.57	0.15	-0.1696	1.5504
1314	48.3	47.8	2.3725	2.6498	0.1839	5.2062	1.5187	0.1924	-0.1595	1.5516
1315	48.2	47.9	2.3729	2.6444	0.1866	5.2038	1.4987	0.1777	-0.1614	1.515
1316	47.1	47.7	2.376	2.6395	0.1881	5.2036	1.6275	0.0541	-0.1646	1.517
1317	47.4	47.6	2.3776	2.6347	0.1908	5.2032	1.631	0.0368	-0.1422	1.5256
1318	47.8	47.5	2.3771	2.6289	0.1954	5.2014	1.5974	0.1074	-0.1798	1.525
1319	46.6	47.4	2.3289	2.6621	0.1955	5.1865	1.5699	0.1364	-0.1906	1.5156
1320	48.3	47.3	2.3165	2.6781	0.2029	5.1976	1.5122	0.0933	-0.1143	1.4912
1321	48.2	47.2	2.3173	2.6782	0.2019	5.1974	1.513	0.0777	-0.0892	1.5015
1322	48.9	47	2.3313	2.6661	0.1984	5.1959	1.5082	0.1203	-0.1084	1.5201
1323	47	46.9	2.3375	2.6577	0.1997	5.1948	1.4317	0.1475	-0.1008	1.4784

1324	47.7	46.8	2.3446	2.6427	0.2052	5.1926	1.4028	0.1295	-0.0554	1.4769
1325	45.3	46.8	2.3469	2.6334	0.212	5.1923	1.4305	0.0981	-0.0518	1.4768
1326	46	46.8	2.3502	2.6254	0.2176	5.1932	1.3693	0.1553	-0.0567	1.4679
1327	46.8	46.7	2.3539	2.6199	0.2168	5.1906	1.4057	0.146	-0.0964	1.4553
1328	47	46.6	2.3578	2.6122	0.2184	5.1885	1.4621	0.1625	-0.1735	1.4511
1329	44.4	46.6	2.3607	2.6068	0.2199	5.1874	1.3344	0.3882	-0.2697	1.4529
1330	45.7	46.5	2.3641	2.6032	0.2185	5.1859	1.1941	0.6017	-0.3111	1.4848
1331	45.2	46.4	2.3678	2.6013	0.2156	5.1847	1.3198	0.4792	-0.3518	1.4472
1332	44.4	46.3	2.3658	2.5964	0.2193	5.1815	1.3488	0.4865	-0.38	1.4554
1333	47.7	46.2	2.3728	2.5892	0.2195	5.1814	1.3034	0.556	-0.4243	1.4351
1334	47.3	46	2.3747	2.5895	0.214	5.1782	1.2059	0.5888	-0.3659	1.4288
1335	46.7	46	2.3769	2.5948	0.2043	5.176	1.1884	0.6649	-0.386	1.4672
1336	46.6	46	2.3776	2.5938	0.2048	5.1762	1.383	0.4948	-0.3665	1.5113
1337	45.3	45.9	2.3752	2.5938	0.2072	5.1762	1.3361	0.5286	-0.3911	1.4736
1338	46.9	45.9	2.3745	2.5969	0.203	5.1744	1.4097	0.5031	-0.4508	1.4621
1339	46.2	46	2.3748	2.5991	0.1998	5.1737	1.4172	0.3608	-0.2865	1.4916
1340	47.2	45.9	2.375	2.5981	0.1996	5.1727	1.4624	0.3074	-0.2625	1.5074
1341	46.1	45.9	2.3691	2.6009	0.2001	5.1701	1.4501	0.3136	-0.2529	1.5108
1342	45.5	46	2.361	2.6062	0.2012	5.1684	1.4586	0.3399	-0.3065	1.492
1343	44.1	45.9	2.3614	2.6054	0.2001	5.1669	1.4603	0.3744	-0.3184	1.5163
1344	45.2	45.8	2.3646	2.6017	0.1983	5.1646	1.4375	0.305	-0.2466	1.4959
1345	46.4	45.9	2.3643	2.601	0.1977	5.1631	1.2085	0.4511	-0.188	1.4716
1346	44.9	45.9	2.3554	2.6057	0.1999	5.161	1.2008	0.4728	-0.169	1.5045
1347	46.4	45.9	2.3545	2.6102	0.1954	5.1601	1.2555	0.3597	-0.0826	1.5327
1348	46.5	45.8	2.3531	2.6072	0.198	5.1583	1.2599	0.2515	-0.0007	1.5107
1349	43.7	45.7	2.3418	2.6139	0.1992	5.1549	1.3142	0.1527	0.0393	1.5062
1350	45.1	45.6	2.336	2.6148	0.2016	5.1524	1.4233	0.0323	0.0513	1.5069
1351	46	45.4	2.331	2.6196	0.2011	5.1517	1.3671	0.043	0.0923	1.5025
1352	45.2	45.3	2.3256	2.6223	0.2024	5.1503	1.4356	-0.0267	0.0924	1.5014
1353	46.3	45.3	2.3206	2.6207	0.2066	5.1479	1.3719	-0.02	0.1408	1.4926
1354	48	45.3	2.3175	2.6183	0.2096	5.1454	1.3617	-0.0229	0.1713	1.5101
1355	46.7	45.3	2.3102	2.6215	0.2124	5.1441	1.3545	0.0309	0.1358	1.5213
1356	45	45.3	2.3078	2.6228	0.2124	5.143	1.3573	0.0779	0.0602	1.4954
1357	45.5	45.2	2.3097	2.6189	0.2122	5.1408	1.367	0.1382	0.0179	1.523
1358	44.1	45.1	2.3113	2.6213	0.2081	5.1407	1.3499	0.1795	-0.0205	1.5089
1359	45.2	45.2	2.3156	2.6249	0.1976	5.1381	1.3609	0.1814	-0.0372	1.5052
1360	43.5	45.2	2.3193	2.6251	0.1947	5.1391	1.3644	0.2002	-0.0556	1.509

1361	42.9	45.2	2.3182	2.6358	0.1932	5.1472	1.3458	0.2071	-0.0561	1.4968
1362	44.5	45.2	2.3153	2.6275	0.1932	5.1361	1.4	0.1245	-0.0428	1.4817
1363	44.6	45.1	2.3165	2.6286	0.1905	5.1356	1.4699	0.0674	-0.049	1.4883
1364	45.8	44.9	2.31	2.6349	0.1897	5.1346	1.4164	0.1723	-0.0919	1.4967
1365	44.9	44.8	2.2958	2.6463	0.1912	5.1334	1.2838	0.2945	-0.0933	1.485
1366	45.5	44.7	2.2948	2.6434	0.192	5.1302	1.3401	0.2168	-0.0888	1.4681
1367	44.7	44.7	2.2963	2.6365	0.1956	5.1284	1.4446	0.1449	-0.0934	1.4961
1368	44.4	44.8	2.2987	2.6313	0.197	5.127	1.5515	0.0538	-0.1045	1.5009
1369	45.6	44.7	2.2982	2.6336	0.1928	5.1245	1.4627	0.0887	-0.0795	1.4719
1370	45.8	44.6	2.295	2.6332	0.1951	5.1233	1.0072	0.4145	-0.1057	1.316
1371	45.5	44.6	2.2926	2.6312	0.197	5.1208	0.923	0.566	-0.0586	1.4304
1372	45.2	44.5	2.2917	2.6307	0.1977	5.1201	0.944	0.6004	-0.1004	1.444
1373	43.1	44.4	2.2913	2.6352	0.193	5.1195	1.0574	0.5296	-0.1453	1.4418
1374	45.9	44.2	2.2892	2.6356	0.1926	5.1174	1.0921	0.4712	-0.1126	1.4507
1375	43.4	44	2.2911	2.6317	0.1942	5.117	1.1453	0.3327	-0.0515	1.4264
1376	44.5	43.9	2.2891	2.6277	0.1992	5.116	1.1724	0.2031	0.0572	1.4327
1377	45.4	43.7	2.2865	2.6216	0.2066	5.1147	1.2229	0.0823	0.168	1.4732
1378	43.3	43.5	2.3	2.5973	0.2159	5.1131	1.2614	-0.014	0.2139	1.4613
1379	42.1	43.4	2.3166	2.5732	0.2202	5.11	1.3175	-0.1432	0.2776	1.4519
1380	43	43.3	2.3071	2.5788	0.2246	5.1106	1.3567	-0.2242	0.3194	1.4519
1381	43.2	43.2	2.3039	2.5781	0.2273	5.1093	1.3838	-0.276	0.3312	1.4389
1382	41.4	43	2.3042	2.5753	0.2275	5.107	1.4181	-0.2832	0.3066	1.4415
1383	42.4	42.9	2.307	2.5731	0.2248	5.1049	1.4749	-0.3858	0.3393	1.4283
1384	41.9	42.7	2.3072	2.57	0.225	5.1022	1.5811	-0.4737	0.3374	1.4448
1385	43	42.6	2.2829	2.5882	0.2236	5.0948	1.5901	-0.4433	0.2811	1.4279
1386	40.3	42.4	2.2794	2.5955	0.2249	5.0998	1.6084	-0.3784	0.1862	1.4163
1387	41.8	42.1	2.2712	2.5934	0.2307	5.0952	1.5996	-0.3738	0.205	1.4308
1388	43.3	42	2.2743	2.5996	0.2178	5.0918	1.5693	-0.3519	0.2442	1.4616
1389	43.7	41.9	2.2723	2.6034	0.2161	5.0917	1.5681	-0.3154	0.2067	1.4594
1390	43	41.7	2.27	2.6029	0.2173	5.0902	1.6694	-0.346	0.184	1.5074
1391	41.6	41.6	2.2639	2.598	0.2274	5.0892	1.6744	-0.3683	0.1834	1.4895
1392	42.5	41.6	2.2623	2.5952	0.2305	5.088	1.642	-0.3068	0.1548	1.4899
1393	41.3	41.5	2.2609	2.5959	0.2316	5.0884	1.6283	-0.2935	0.1392	1.474
1394	41.3	41.5	2.2587	2.5965	0.2325	5.0877	1.6872	-0.3312	0.1135	1.4695
1395	41	41.4	2.2543	2.5974	0.2346	5.0862	1.9466	-0.6039	0.1077	1.4503
1396	40.7	41.4	2.2527	2.6036	0.2267	5.0829	2.0231	-0.7059	0.1317	1.4489
1397	41.2	41.4	2.2566	2.6055	0.2207	5.0828	1.9885	-0.692	0.1459	1.4425

1398	39.8	41.4	2.2619	2.6013	0.2191	5.0824	2.0233	-0.6809	0.0998	1.4421
1399	39.3	41.5	2.2642	2.6	0.2183	5.0826	2.0446	-0.7218	0.1062	1.429
1400	40.9	41.5	2.2662	2.6007	0.2145	5.0814	1.9603	-0.6342	0.0771	1.4032
1401	40.8	41.6	2.2628	2.6044	0.2133	5.0805	1.9194	-0.6117	0.0808	1.3886
1402	40.7	41.7	2.2652	2.6079	0.2072	5.0804	1.9375	-0.5634	0.0131	1.3872
1403	42.4	41.7	2.2659	2.6098	0.2021	5.0778	1.9005	-0.4643	-0.0584	1.3778
1404	40.4	41.7	2.2705	2.6092	0.1951	5.0748	1.8576	-0.425	-0.082	1.3506
1405	40.2	41.8	2.2727	2.6116	0.1903	5.0746	1.8367	-0.4165	-0.0884	1.3318
1406	41.6	41.9	2.2726	2.6136	0.1867	5.0729	1.7572	-0.3347	-0.0831	1.3393
1407	43.9	42.1	2.2724	2.6136	0.185	5.071	1.741	-0.3163	-0.0978	1.3268
1408	45	42.3	2.2702	2.6142	0.1848	5.0693	1.6859	-0.2751	-0.1043	1.3065
1409	44.4	42.5	2.2681	2.6142	0.1854	5.0677	1.6695	-0.2036	-0.1441	1.3218
1410	43	42.6	2.2634	2.6168	0.1849	5.0651	1.7055	-0.141	-0.246	1.3185
1411	43.8	42.6	2.2585	2.6213	0.184	5.0638	1.7337	-0.1664	-0.2337	1.3337
1412	41.7	42.7	2.2523	2.6239	0.1855	5.0616	1.7203	-0.0586	-0.2383	1.4234
1413	41.8	42.7	2.2482	2.6204	0.1902	5.0588	1.6794	-0.1353	-0.2249	1.3191
1414	42.3	42.8	2.2441	2.6203	0.1933	5.0577	1.6662	-0.1135	-0.2235	1.3292
1415	43.4	42.8	2.2388	2.6227	0.1955	5.057	1.5987	-0.1085	-0.1601	1.3301
1416	44.4	42.7	2.2315	2.625	0.1975	5.054	1.4922	-0.0972	-0.0755	1.3195
1417	43.4	42.7	2.2225	2.6293	0.2013	5.0531	1.4893	-0.159	-0.0307	1.2995
1418	42.9	42.5	2.2309	2.62	0.2034	5.0542	1.4732	-0.2267	0.0408	1.2872
1419	42.9	42.3	2.2282	2.6206	0.2061	5.0549	1.4924	-0.2367	0.0089	1.2646
1420	41.8	42.2	2.2242	2.6215	0.2088	5.0546	1.5597	-0.24	-0.0449	1.2748
1421	42.2	42.2	2.2229	2.6182	0.212	5.053	1.5305	-0.1921	-0.0505	1.2879
1422	41.6	42.2	2.2256	2.6132	0.2129	5.0517	1.5149	-0.1864	-0.0333	1.2953
1423	42.3	42.3	2.2283	2.6106	0.2109	5.0498	1.5404	-0.2524	0.0359	1.3239
1424	40.7	42.3	2.2301	2.6094	0.2104	5.05	1.555	-0.2608	0.0476	1.3418
1425	40.4	42.2	2.2297	2.6131	0.2062	5.049	1.561	-0.2889	0.0649	1.337
1426	42.6	42.1	2.2279	2.6171	0.2008	5.0459	1.5774	-0.3154	0.0928	1.3547
1427	41.3	42.1	2.2277	2.6213	0.1954	5.0444	1.5263	-0.299	0.1383	1.3657
1428	41.8	42	2.2261	2.6266	0.1906	5.0433	1.4495	-0.3051	0.2164	1.3608
1429	41.4	41.8	2.2251	2.6292	0.1879	5.0422	1.6072	-0.5626	0.314	1.3586
1430	42.3	41.8	2.2258	2.6308	0.1854	5.042	1.7935	-0.7781	0.3225	1.3379
1431	42.3	41.8	2.226	2.6296	0.1849	5.0405	1.7016	-0.725	0.375	1.3515
1432	43.1	41.8	2.2184	2.635	0.1853	5.0386	1.7329	-0.7659	0.4016	1.3686
1433	42.7	41.8	2.2147	2.6366	0.1857	5.037	1.7839	-0.7991	0.3647	1.3496
1434	42.4	41.7	2.2157	2.6338	0.1859	5.0354	1.8499	-0.821	0.2937	1.3226

1435	41.9	41.7	2.216	2.6327	0.1857	5.0344	1.9065	-0.8458	0.2661	1.3268
1436	42.5	41.5	2.2176	2.6312	0.1843	5.0332	1.6696	-0.6439	0.2403	1.266
1437	41	41.4	2.2182	2.629	0.1827	5.03	1.5594	-0.444	0.2428	1.3582
1438	40.8	41.2	2.2177	2.6284	0.1823	5.0284	1.4072	-0.3799	0.2932	1.3205
1439	40.7	41.2	2.2079	2.6337	0.1814	5.0229	1.3984	-0.2584	0.1673	1.3073
1440	42.5	41	2.2076	2.6349	0.1813	5.0238	1.3765	-0.1832	0.1333	1.3265
1441	41.9	40.8	2.2049	2.6316	0.1846	5.0211	1.3652	-0.1955	0.146	1.3157
1442	40.9	40.5	2.1982	2.6356	0.1872	5.021	1.2988	-0.2912	0.3204	1.3279
1443	40.1	40.3	2.1927	2.6385	0.1888	5.02	1.3004	-0.3519	0.3754	1.3239
1444	39.3	40.2	2.1699	2.6621	0.1875	5.0195	1.2861	-0.3402	0.377	1.3229
1445	40	40.1	2.162	2.6716	0.1846	5.0182	1.2296	-0.3288	0.4062	1.3069
1446	38.7	39.9	2.1565	2.6749	0.1853	5.0167	1.1821	-0.3318	0.4561	1.3064
1447	39.3	39.9	2.1522	2.6783	0.1854	5.0159	1.1591	-0.2389	0.3757	1.2959
1448	40.4	39.9	2.1487	2.6794	0.1873	5.0154	1.2469	-0.253	0.3143	1.3082
1449	39.5	39.9	2.1458	2.6773	0.1915	5.0146	1.2979	-0.2899	0.3065	1.3145
1450	38	39.8	2.1441	2.676	0.1935	5.0136	1.304	-0.3045	0.33	1.3296
1451	37.6	39.7	2.1373	2.6759	0.1998	5.013	1.3561	-0.3076	0.2733	1.3217
1452	39	39.6	2.1356	2.6687	0.2082	5.0126	1.3626	-0.3111	0.2689	1.3204
1453	39.4	39.5	2.1349	2.6632	0.2148	5.0129	1.3878	-0.2751	0.2246	1.3373
1454	39.5	39.5	2.1338	2.66	0.2184	5.0122	1.3945	-0.2517	0.1843	1.3271
1455	40	39.5	2.1345	2.655	0.2207	5.0102	1.4576	-0.2366	0.1023	1.3233
1456	40.5	39.5	2.1337	2.6544	0.2221	5.0103	1.5396	-0.186	0.0026	1.3562
1457	41.5	39.5	2.1411	2.6464	0.2226	5.0101	1.5591	-0.1438	-0.06	1.3552
1458	39.9	39.4	2.1444	2.6416	0.2226	5.0086	1.723	-0.263	-0.1085	1.3514
1459	40.1	39.4	2.145	2.639	0.2222	5.0063	1.7775	-0.2774	-0.1541	1.3461
1460	40.2	39.5	2.1459	2.6417	0.218	5.0057	1.7403	-0.2279	-0.1712	1.3412
1461	39.2	39.6	2.1461	2.6417	0.2171	5.0049	1.7341	-0.2203	-0.2024	1.3113
1462	38.6	39.6	2.1474	2.6411	0.2157	5.0041	1.7711	-0.2144	-0.2531	1.3035
1463	38.3	39.5	2.1499	2.64	0.2128	5.0027	1.7363	-0.1915	-0.2584	1.2864
1464	40.1	39.5	2.1501	2.6457	0.2057	5.0016	1.7106	-0.2442	-0.2068	1.2597
1465	39.8	39.4	2.1466	2.6561	0.1988	5.0014	1.6528	-0.1832	-0.2114	1.2582
1466	38.3	39.3	2.1459	2.6593	0.1951	5.0003	1.5606	-0.0905	-0.2091	1.261
1467	38.7	39.2	2.1489	2.6591	0.1916	4.9996	1.4413	-0.065	-0.1349	1.2413
1468	40.7	39.3	2.1495	2.6549	0.1961	5.0005	1.3139	-0.1119	0.0299	1.2319
1469	40	39.3	2.1422	2.6576	0.1973	4.997	1.4281	-0.2971	0.1198	1.2507
1470	39.3	39.3	2.142	2.6524	0.2001	4.9945	1.4158	-0.2691	0.1455	1.2922
1471	38.3	39.3	2.1411	2.6498	0.2004	4.9913	1.3747	-0.2389	0.1699	1.3058

1472	38.4	39.4	2.1377	2.656	0.1941	4.9877	1.3578	-0.2148	0.1514	1.2944
1473	38.3	39.5	2.1358	2.6613	0.1882	4.9853	1.4216	-0.2508	0.1129	1.2836
1474	38.2	39.4	2.1331	2.6645	0.1861	4.9837	1.4377	-0.2374	0.0802	1.2804
1475	39	39.3	2.1333	2.6632	0.185	4.9815	1.4326	-0.2341	0.0918	1.2903
1476	39.7	39.3	2.1364	2.6576	0.1853	4.9794	1.435	-0.2068	0.054	1.2821
1477	41	39.4	2.1416	2.6521	0.185	4.9786	1.438	-0.1561	-0.0303	1.2515
1478	40	39.2	2.1392	2.6535	0.1845	4.9773	1.4718	-0.1265	-0.0753	1.2699
1479	40.5	39.2	2.1373	2.651	0.1879	4.9762	1.445	-0.0948	-0.0835	1.2667
1480	40.6	39.1	2.137	2.6513	0.1871	4.9754	1.4298	-0.0412	-0.1316	1.257
1481	39.1	39.1	2.1306	2.6547	0.1872	4.9724	1.4522	-0.0349	-0.1703	1.2469
1482	40.3	39.1	2.1258	2.6552	0.1911	4.9721	1.4475	-0.0682	-0.1643	1.215
1483	38.2	39.2	2.1221	2.6552	0.1954	4.9727	1.3911	-0.0722	-0.1159	1.203
1484	38.2	39.3	2.1165	2.6546	0.1984	4.9695	1.3867	-0.0854	-0.0914	1.21
1485	38.8	39.2	2.116	2.6526	0.1996	4.9682	1.3968	-0.1116	-0.0858	1.1994
1486	40	39.1	2.1235	2.6399	0.2006	4.964	1.4037	-0.1286	-0.0744	1.2007
1487	37.9	38.9	2.1304	2.6314	0.2014	4.9632	1.4199	-0.139	-0.0803	1.2006
1488	38.2	38.8	2.1345	2.6254	0.2011	4.961	1.4116	-0.1309	-0.0878	1.1929
1489	38.4	38.5	2.1346	2.6217	0.2028	4.9591	1.4058	-0.1263	-0.0917	1.1878
1490	37.9	38.2	2.1335	2.6225	0.2027	4.9586	1.3507	-0.0967	-0.0943	1.1597
1491	38.5	38.1	2.134	2.6271	0.1953	4.9564	1.3708	-0.1006	-0.1033	1.1669
1492	39.8	37.9	2.1323	2.6304	0.193	4.9556	1.3396	-0.106	-0.0904	1.1432
1493	40.1	37.8	2.1323	2.6299	0.1939	4.9562	1.2741	-0.0449	-0.0857	1.1436
1494	38.5	37.8	2.1358	2.6294	0.1918	4.957	1.2548	-0.0165	-0.1019	1.1364
1495	37.5	37.6	2.136	2.6306	0.189	4.9556	1.0224	0.283	-0.1674	1.138
1496	36.7	37.4	2.1368	2.6275	0.1891	4.9534	0.9451	0.4163	-0.2376	1.1238
1497	37.9	37.3	2.1319	2.6308	0.1893	4.952	0.8838	0.4838	-0.2411	1.1265
1498	34.2	37.1	2.1321	2.6303	0.1885	4.951	0.8416	0.5465	-0.2571	1.131
1499	36.4	36.9	2.1338	2.6305	0.1853	4.9496	0.8006	0.5673	-0.2353	1.1326
1500	36.1	36.9	2.1306	2.6315	0.1872	4.9492	0.7604	0.561	-0.1837	1.1377
1501	36.7	36.8	2.1266	2.6355	0.1864	4.9485	0.7579	0.5025	-0.1227	1.1376
1502	36.9	36.7	2.1265	2.6354	0.1848	4.9467	0.6917	0.4144	0.0073	1.1135
1503	36.7	36.6	2.1265	2.6349	0.1837	4.9451	0.7033	0.2899	0.1375	1.1307
1504	36.8	36.6	2.1248	2.6329	0.1848	4.9425	0.7504	0.195	0.198	1.1434
1505	36.3	36.6	2.1187	2.6302	0.19	4.939	0.7113	0.2148	0.2346	1.1608
1506	34.6	36.7	2.1167	2.628	0.1927	4.9373	0.736	0.1672	0.231	1.1342
1507	34.4	36.7	2.1001	2.6399	0.1959	4.9359	0.7254	0.1665	0.2595	1.1514
1508	34.6	36.9	2.0925	2.642	0.2002	4.9347	0.8008	0.0771	0.3008	1.1788

1509	38.1	37	2.094	2.637	0.2026	4.9336	0.8675	-0.0184	0.3252	1.1743
1510	37.7	37.1	2.09	2.6389	0.2052	4.934	0.907	-0.0741	0.3375	1.1705
1511	37.5	37.1	2.0814	2.6427	0.2093	4.9335	0.9962	-0.1173	0.2986	1.1775
1512	38.6	37.1	2.0787	2.643	0.2113	4.933	1.0199	-0.123	0.2917	1.1886
1513	37.7	37.1	2.0771	2.6448	0.2109	4.9328	1.0453	-0.1261	0.285	1.2041
1514	38.2	37.1	2.0788	2.6386	0.2144	4.9319	1.1281	-0.1647	0.2581	1.2215
1515	38	37.1	2.0828	2.6318	0.2164	4.9309	1.1513	-0.0893	0.1639	1.2258
1516	38.2	37.3	2.0874	2.6315	0.211	4.9299	1.1139	0.0236	0.0888	1.2263
1517	37.8	37.3	2.0911	2.6405	0.1983	4.9299	1.1421	0.0443	0.0633	1.2496
1518	38	37.3	2.0881	2.6497	0.1914	4.9292	1.1573	0.0633	0.0214	1.242
1519	37.7	37.2	2.0866	2.6475	0.1915	4.9257	1.2007	-0.0025	0.0617	1.2599
1520	37.7	37	2.0868	2.6454	0.1918	4.924	1.1003	0.0734	0.0608	1.2345
1521	36.1	37	2.0871	2.6397	0.1968	4.9236	1.0603	0.0757	0.0869	1.2229
1522	36.4	36.9	2.0834	2.6382	0.2017	4.9233	0.9721	0.1306	0.0817	1.1843
1523	36.5	36.8	2.0845	2.6343	0.2029	4.9217	0.9998	0.1547	0.0171	1.1716
1524	37.3	36.6	2.0869	2.6329	0.2012	4.9209	0.9878	0.2117	-0.0479	1.1516
1525	37.4	36.5	2.0862	2.6338	0.2008	4.9208	0.9372	0.2816	-0.0771	1.1418
1526	35	36.4	2.0841	2.6328	0.2038	4.9207	0.9313	0.2958	-0.0966	1.1305
1527	34.4	36.3	2.0805	2.6339	0.203	4.9174	0.9506	0.2616	-0.0898	1.1224
1528	36.1	36.2	2.0816	2.636	0.199	4.9166	0.9998	0.203	-0.0815	1.1213
1529	35.3	36.1	2.0821	2.6334	0.2011	4.9165	0.953	0.246	-0.0805	1.1184
1530	37	35.9	2.0805	2.6343	0.2025	4.9173	0.9072	0.2523	-0.0482	1.1114
1531	36.5	35.9	2.0813	2.6364	0.2013	4.919	0.8971	0.2603	-0.0544	1.103
1532	35	35.8	2.0792	2.6422	0.1969	4.9183	0.782	0.3737	-0.0674	1.0883
1533	34.7	35.7	2.076	2.6451	0.1949	4.916	0.7302	0.4162	-0.0514	1.0949
1534	36.1	35.6	2.076	2.645	0.1945	4.9155	0.6763	0.4548	-0.0042	1.1269
1535	36.6	35.5	2.0756	2.6455	0.1931	4.9143	0.6266	0.4411	0.0326	1.1004
1536	35.3	35.5	2.0756	2.6451	0.1924	4.9131	0.6795	0.3809	0.0416	1.102
1537	36.6	35.6	2.0771	2.6421	0.1915	4.9107	0.7316	0.2614	0.0757	1.0686
1538	36.3	35.5	2.0771	2.6411	0.1915	4.9097	0.7601	0.2171	0.0865	1.0636
1539	34.5	35.5	2.0728	2.6433	0.1908	4.907	0.7947	0.1596	0.0932	1.0474
1540	35	35.4	2.0705	2.645	0.1916	4.9071	0.7944	0.1231	0.112	1.0295
1541	35.1	35.4	2.071	2.6422	0.1937	4.9068	0.773	0.1427	0.1143	1.03
1542	34.8	35.3	2.0708	2.64	0.1958	4.9066	0.7989	0.1666	0.0453	1.0107
1543	35.1	35.3	2.0672	2.6401	0.199	4.9063	0.8539	0.1472	0.0197	1.0208
1544	35.9	35.3	2.0677	2.6338	0.2043	4.9057	0.8933	0.1054	0.0329	1.0317
1545	35.4	35.2	2.0675	2.63	0.2083	4.9058	0.9673	0.0669	0.0135	1.0477

1546	35.3	35.2	2.0681	2.6265	0.2094	4.9041	1.1113	-0.0079	-0.0561	1.0473
1547	34.3	35.1	2.068	2.6237	0.2111	4.9028	1.304	-0.2255	-0.0558	1.0227
1548	35	35.1	2.0686	2.6227	0.2109	4.9021	1.2828	-0.2031	-0.0446	1.035
1549	35.9	35.2	2.0698	2.6212	0.2099	4.9008	1.281	-0.2019	-0.042	1.0371
1550	35.9	35.2	2.0683	2.6257	0.2058	4.8998	1.2947	-0.1795	-0.0795	1.0357
1551	33.7	35.2	2.0681	2.6345	0.199	4.9016	1.2906	-0.1652	-0.062	1.0634
1552	34.3	35.3	2.0652	2.6398	0.1945	4.8995	1.2788	-0.1441	-0.0582	1.0765
1553	36.7	35.3	2.0598	2.6437	0.195	4.8985	1.2786	-0.1434	-0.0866	1.0486
1554	34.4	35.3	2.0627	2.6385	0.1949	4.8961	1.2591	-0.092	-0.1176	1.0496
1555	34.3	35.3	2.0609	2.6383	0.1976	4.8968	1.2338	-0.0895	-0.1094	1.0349
1556	35.6	35.3	2.0612	2.6378	0.1962	4.8952	1.2104	-0.118	-0.0554	1.0371
1557	36.3	35.3	2.061	2.6387	0.1925	4.8922	1.3653	-0.3199	-0.0425	1.0029
1558	35.6	35.4	2.0576	2.6435	0.19	4.8911	1.3133	-0.2901	-0.0306	0.9926
1559	35.7	35.5	2.0543	2.6464	0.1885	4.8892	1.3666	-0.4183	0.0177	0.966
1560	35	35.5	2.0463	2.6535	0.1882	4.8879	1.4548	-0.5159	0.0502	0.9892
1561	35.7	35.6	2.0442	2.654	0.1879	4.886	1.47	-0.5244	0.0568	1.0024
1562	35.6	35.5	2.0429	2.6537	0.1872	4.8837	1.3738	-0.4947	0.1023	0.9814
1563	35.4	35.4	2.037	2.6564	0.187	4.8805	1.3747	-0.5307	0.1405	0.9845
1564	35.8	35.4	2.035	2.6547	0.1893	4.879	1.3911	-0.5312	0.134	0.994
1565	34.5	35.5	2.0352	2.6537	0.1899	4.8788	1.4041	-0.5668	0.1618	0.9991
1566	35.8	35.5	2.0316	2.6549	0.1888	4.8753	1.421	-0.6196	0.1975	0.9989
1567	36.6	35.5	2.0332	2.6528	0.1894	4.8754	1.4641	-0.6208	0.1661	1.0094
1568	37.4	35.4	2.0294	2.6552	0.1899	4.8745	1.5244	-0.5083	0.0345	1.0506
1569	35.6	35.4	2.0322	2.6502	0.1912	4.8736	1.5285	-0.4072	-0.0584	1.063
1570	35.1	35.4	2.036	2.6448	0.1914	4.8722	1.5135	-0.3926	-0.0797	1.0411
1571	34.2	35.4	2.0439	2.6367	0.1922	4.8728	1.4762	-0.3527	-0.0885	1.035
1572	34	35.3	2.0377	2.6405	0.1924	4.8706	1.455	-0.37	-0.0595	1.0255
1573	35	35.2	2.037	2.6401	0.193	4.8701	1.4145	-0.3206	-0.0418	1.0522
1574	36.3	35.1	2.0394	2.6363	0.1938	4.8695	1.4165	-0.3397	-0.0547	1.0221
1575	35.3	35.1	2.0402	2.6336	0.1946	4.8685	1.3976	-0.3344	-0.0229	1.0403
1576	35.1	35	2.0414	2.6315	0.1943	4.8671	1.385	-0.3228	-0.031	1.0312
1577	34.8	34.8	2.0416	2.6318	0.1931	4.8665	1.3674	-0.3296	-0.0051	1.0327
1578	35.2	34.7	2.0439	2.6289	0.1926	4.8654	1.3445	-0.3241	-0.0127	1.0077
1579	35.8	34.6	2.0466	2.6258	0.1927	4.8651	1.3782	-0.3169	-0.0489	1.0124
1580	35	34.5	2.0473	2.6253	0.1925	4.8651	1.3677	-0.3281	-0.0193	1.0204
1581	32.9	34.6	2.0524	2.6173	0.1939	4.8636	1.3313	-0.2967	0.0096	1.0443
1582	34.3	34.6	2.0528	2.6136	0.1962	4.8626	1.3442	-0.279	0.0116	1.0768

1583	34.2	34.6	2.0544	2.6097	0.1958	4.86	1.3219	-0.2119	-0.0248	1.0852
1584	34.1	34.5	2.0539	2.6105	0.1951	4.8595	1.2462	-0.1402	-0.0464	1.0596
1585	33.4	34.5	2.048	2.6145	0.1955	4.858	1.2302	-0.136	-0.0362	1.058
1586	33.9	34.4	2.0503	2.6138	0.193	4.8571	1.2075	-0.0928	-0.0449	1.0698
1587	34.7	34.3	2.0544	2.6097	0.1927	4.8568	1.2137	-0.1247	-0.0458	1.0433
1588	33.8	34.2	2.055	2.6095	0.1918	4.8563	1.2659	-0.1768	-0.0557	1.0334
1589	34.3	34	2.0552	2.6094	0.1916	4.8561	1.2743	-0.1922	-0.0493	1.0329
1590	35.1	33.9	2.0562	2.6082	0.1912	4.8556	1.2538	-0.1719	-0.0594	1.0225
1591	34.8	34	2.0541	2.6105	0.1908	4.8554	1.2865	-0.1847	-0.0575	1.0443
1592	34.5	33.9	2.0469	2.6157	0.191	4.8535	1.2984	-0.2294	-0.0287	1.0403
1593	34.5	33.9	2.043	2.6194	0.1906	4.853	1.2821	-0.2385	-0.0053	1.0383
1594	35.1	34	2.039	2.6227	0.1905	4.8522	1.2323	-0.2212	0.0263	1.0374
1595	33.2	34.1	2.0249	2.6313	0.1946	4.8508	1.2599	-0.2925	0.0767	1.044
1596	33	34.2	2.0064	2.65	0.1947	4.8511	1.2879	-0.3461	0.1151	1.0569
1597	32.5	34.3	2.0036	2.6511	0.1937	4.8485	1.337	-0.4127	0.1253	1.0496
1598	32.1	34.4	2.004	2.6505	0.1927	4.8472	1.3604	-0.4374	0.1167	1.0397
1599	34	34.4	2.0043	2.6484	0.1933	4.8461	1.3451	-0.4282	0.1118	1.0287
1600	33.9	34.4	2.0015	2.648	0.1934	4.8429	1.3838	-0.4407	0.0818	1.0249
1601	33.7	34.3	1.9987	2.6499	0.1922	4.8408	1.3635	-0.3918	0.0595	1.0312
1602	34.4	34.3	1.9986	2.6498	0.1934	4.8418	1.4008	-0.3421	-0.0005	1.0582
1603	35.4	34.3	2.0006	2.6441	0.1955	4.8402	1.4597	-0.3589	-0.051	1.0498
1604	35.6	34.2	2.0014	2.6418	0.1958	4.839	1.4321	-0.3339	-0.0443	1.0538
1605	36.1	34.3	1.9977	2.642	0.1956	4.8353	1.5339	-0.4347	-0.0437	1.0555
1606	35.3	34.3	1.9801	2.66	0.1969	4.8371	1.5329	-0.4409	-0.019	1.073
1607	36.2	34.3	1.9687	2.6689	0.1989	4.8366	1.545	-0.4319	-0.0428	1.0702
1608	34.8	34.4	1.9558	2.6838	0.1984	4.8381	1.5173	-0.3899	-0.0867	1.0408
1609	35	34.4	1.9486	2.6886	0.1975	4.8347	1.473	-0.3173	-0.1209	1.0348
1610	32.7	34.5	1.9429	2.6913	0.1995	4.8338	1.4376	-0.2622	-0.1521	1.0233
1611	34.8	34.5	1.9441	2.6922	0.1991	4.8353	1.3508	-0.1645	-0.1672	1.019
1612	33.5	34.5	1.9412	2.6961	0.1973	4.8346	1.3055	-0.1393	-0.1593	1.0069
1613	34.5	34.4	1.938	2.6979	0.1975	4.8334	1.2934	-0.1103	-0.1674	1.0156
1614	33.7	34.3	1.9384	2.6953	0.1982	4.8319	1.2296	-0.0758	-0.1636	0.9902
1615	33.3	34.1	1.9407	2.6937	0.1967	4.831	1.1968	-0.0868	-0.1236	0.9864
1616	33	34	1.941	2.6936	0.1944	4.8289	1.1897	-0.085	-0.1161	0.9887
1617	33.3	33.9	1.9386	2.6914	0.1948	4.8248	1.1813	-0.0851	-0.135	0.9612
1618	34.4	33.9	1.9352	2.6904	0.1972	4.8229	1.2012	-0.0971	-0.1421	0.9621
1619	34.9	33.8	1.9352	2.6868	0.1995	4.8216	1.207	-0.1067	-0.138	0.9622

1620	34.1	34	1.9391	2.6807	0.2007	4.8205	1.2138	-0.1198	-0.1464	0.9476
1621	33.8	34	1.9416	2.6767	0.2028	4.821	1.2224	-0.1328	-0.1511	0.9385
1622	33.7	34	1.942	2.6703	0.2058	4.8181	1.306	-0.2167	-0.1382	0.9512
1623	33.8	33.9	1.9429	2.6683	0.2084	4.8195	1.2811	-0.2245	-0.1238	0.9328
1624	33.4	33.9	1.9471	2.6663	0.2035	4.8169	1.2884	-0.2565	-0.1008	0.9311
1625	33.6	34	1.9477	2.6661	0.2039	4.8177	1.3355	-0.319	-0.0802	0.9364
1626	34.4	34	1.9474	2.6657	0.2043	4.8174	1.3552	-0.3414	-0.072	0.9418
1627	34.4	34	1.9461	2.6664	0.2042	4.8167	1.4028	-0.364	-0.095	0.9438
1628	33.1	33.9	1.9438	2.6677	0.2039	4.8154	1.3993	-0.3491	-0.1067	0.9435
1629	35.5	33.8	1.9453	2.6662	0.203	4.8145	1.4599	-0.3889	-0.1096	0.9614
1630	35.1	33.8	1.9474	2.664	0.2015	4.8129	1.5083	-0.4564	-0.0939	0.958
1631	33.2	33.7	1.9469	2.6643	0.2002	4.8114	1.5266	-0.4602	-0.09	0.9764
1632	33.2	33.7	1.947	2.6634	0.1994	4.8098	1.5979	-0.5463	-0.0635	0.9881
1633	34.4	33.7	1.9514	2.6591	0.1995	4.81	1.6091	-0.596	-0.0475	0.9656
1634	34.2	33.7	1.953	2.6586	0.1981	4.8097	1.665	-0.651	-0.0576	0.9564
1635	34	33.7	1.9549	2.6548	0.1976	4.8073	1.6698	-0.6437	-0.064	0.9621
1636	32.1	33.7	1.9543	2.6576	0.1969	4.8088	1.6088	-0.5897	-0.0668	0.9524
1637	33.7	33.6	1.9505	2.6598	0.1971	4.8074	1.6593	-0.6176	-0.0953	0.9464
1638	33	33.6	1.9497	2.6603	0.1964	4.8064	1.7388	-0.684	-0.1092	0.9457
1639	32.8	33.4	1.9474	2.6605	0.1968	4.8047	1.7639	-0.6717	-0.1284	0.9639
1640	33.2	33.3	1.9419	2.6634	0.1974	4.8027	1.7824	-0.6681	-0.1301	0.9841
1641	33.4	33.3	1.9411	2.6651	0.1965	4.8028	1.8126	-0.6949	-0.1257	0.9921
1642	34	33.3	1.9425	2.6639	0.1963	4.8028	1.8175	-0.6796	-0.1256	1.0122
1643	33.5	33.3	1.944	2.6623	0.1963	4.8026	1.7482	-0.625	-0.1255	0.9976
1644	33.3	33.3	1.9417	2.663	0.1966	4.8013	1.6983	-0.5685	-0.1353	0.9945
1645	33.3	33.2	1.9387	2.6646	0.1968	4.8002	1.6209	-0.4988	-0.1389	0.9831
1646	33.6	33.4	1.9344	2.6678	0.1969	4.7991	1.4838	-0.4014	-0.1054	0.9771
1647	32.5	33.4	1.932	2.6674	0.1994	4.7988	1.3219	-0.2219	-0.1065	0.9935
1648	32.6	33.4	1.9341	2.6655	0.1997	4.7993	1.3477	-0.288	-0.1012	0.9585
1649	33.3	33.4	1.9314	2.6653	0.2017	4.7984	1.351	-0.2821	-0.1118	0.9571
1650	32.9	33.5	1.9319	2.6649	0.1998	4.7967	1.3747	-0.3157	-0.1071	0.9519
1651	33.5	33.5	1.928	2.6687	0.1991	4.7958	1.3592	-0.3413	-0.0937	0.9242
1652	34.2	33.5	1.9193	2.6757	0.1996	4.7945	1.3246	-0.3182	-0.0977	0.9088
1653	33.6	33.6	1.9166	2.6771	0.1995	4.7932	1.303	-0.2922	-0.0903	0.9205
1654	32.8	33.7	1.9093	2.682	0.1993	4.7906	1.3284	-0.3501	-0.0706	0.9077
1655	34.7	33.8	1.9076	2.6824	0.1995	4.7895	1.352	-0.3923	-0.0585	0.9012
1656	33.9	33.9	1.9067	2.681	0.2005	4.7881	1.3148	-0.3787	-0.0619	0.8742

1657	32.6	33.9	1.9092	2.6777	0.2012	4.7882	1.1542	-0.1666	-0.083	0.9046
1658	34.6	34.1	1.9103	2.6752	0.2021	4.7876	1.047	-0.0583	-0.0804	0.9083
1659	34.3	34.1	1.9106	2.6727	0.2037	4.7869	0.9231	0.094	-0.0888	0.9284
1660	33.5	34.1	1.9112	2.6699	0.2049	4.786	0.8316	0.1767	-0.0997	0.9086
1661	34.4	34.1	1.9136	2.6679	0.2038	4.7853	0.7801	0.2022	-0.0601	0.9222
1662	34.2	34	1.9135	2.6647	0.2039	4.7822	0.8087	0.2036	-0.0532	0.9592
1663	35.6	33.8	1.9141	2.664	0.2034	4.7815	0.784	0.2375	-0.0513	0.9703
1664	35.9	33.8	1.9153	2.6633	0.2017	4.7804	0.7795	0.2434	-0.0469	0.976
1665	34.6	33.7	1.9162	2.6622	0.2015	4.7799	0.7796	0.2359	-0.0506	0.9649
1666	33.3	33.6	1.9135	2.6634	0.2023	4.7792	0.8194	0.209	-0.0597	0.9686
1667	35.5	33.6	1.9131	2.6625	0.2036	4.7792	0.8695	0.172	-0.0805	0.961
1668	33.2	33.4	1.9087	2.6659	0.2037	4.7783	0.8782	0.1308	-0.0838	0.9252
1669	33.2	33.4	1.9108	2.6622	0.2058	4.7788	0.8865	0.0925	-0.0766	0.9023
1670	33.7	33.4	1.9137	2.6581	0.2065	4.7784	0.8943	0.0689	-0.0756	0.8876
1671	31.8	33.2	1.9133	2.6584	0.206	4.7777	0.8934	0.0544	-0.0641	0.8837
1672	30.7	33.1	1.9096	2.6629	0.2048	4.7773	0.9069	0.0362	-0.0501	0.893
1673	31.9	33	1.9081	2.6658	0.2031	4.777	0.8857	0.0151	-0.0225	0.8782
1674	33.2	32.9	1.9058	2.6682	0.2018	4.7759	0.8714	0.0095	0.0061	0.887
1675	32.4	32.8	1.9047	2.6678	0.2018	4.7743	0.8986	-0.0168	-0.0296	0.8522
1676	32	32.8	1.9011	2.6679	0.2038	4.7728	0.9262	-0.0276	-0.0356	0.863
1677	32.2	32.6	1.9017	2.6667	0.2038	4.7722	0.9483	-0.0282	-0.0508	0.8693
1678	32.8	32.6	1.898	2.6678	0.2035	4.7693	0.9417	-0.028	-0.0607	0.853
1679	33.1	32.6	1.8957	2.6714	0.2021	4.7693	0.92	-0.0046	-0.0605	0.855
1680	32.1	32.4	1.8946	2.6713	0.2015	4.7675	0.9235	-0.0033	-0.0556	0.8646
1681	32.5	32.5	1.8926	2.6719	0.2003	4.7648	0.9309	-0.0242	-0.059	0.8477
1682	33.3	32.6	1.8919	2.6732	0.201	4.766	0.9598	-0.0356	-0.0864	0.8378
1683	33.1	32.6	1.8879	2.6748	0.2016	4.7643	0.9525	-0.0189	-0.1071	0.8264
1684	33.3	32.5	1.8869	2.6748	0.2015	4.7633	0.975	-0.0319	-0.1095	0.8336
1685	32.3	32.5	1.8871	2.6735	0.2021	4.7627	1.0161	-0.0538	-0.1241	0.8383
1686	32.2	32.5	1.8844	2.6755	0.2026	4.7625	1.0437	-0.1038	-0.1173	0.8226
1687	33.3	32.6	1.8806	2.6781	0.2036	4.7622	1.0541	-0.0869	-0.14	0.8271
1688	32.7	32.6	1.8786	2.6767	0.2046	4.7599	0.9932	0.0024	-0.1559	0.8397
1689	31.4	32.6	1.877	2.6762	0.2046	4.7577	0.9944	-0.0099	-0.1585	0.826
1690	32.6	32.7	1.8749	2.6777	0.2038	4.7564	0.9959	-0.0213	-0.1486	0.826
1691	32.6	32.7	1.8724	2.6784	0.2034	4.7541	0.9208	0.0106	-0.1206	0.8108
1692	31.5	32.7	1.872	2.6782	0.2035	4.7538	0.9266	0.0149	-0.1097	0.8318
1693	32.1	32.6	1.8732	2.6762	0.2041	4.7535	0.9665	-0.0288	-0.0973	0.8404

1694	31.6	32.5	1.8769	2.6725	0.2044	4.7539	0.9764	-0.032	-0.0946	0.8497
1695	31.9	32.5	1.8765	2.6715	0.2051	4.7531	0.9496	-0.0067	-0.0952	0.8478
1696	34.6	32.5	1.8742	2.6722	0.2053	4.7517	0.9215	0.0142	-0.0942	0.8414
1697	33.5	32.4	1.8689	2.6799	0.2039	4.7526	1.376	-0.3824	-0.0978	0.8957
1698	33	32.3	1.8689	2.6787	0.2039	4.7515	1.5414	-0.5239	-0.0962	0.9213
1699	33.8	32.4	1.8669	2.68	0.204	4.7509	1.527	-0.4878	-0.0947	0.9444
1700	33	32.4	1.8656	2.6821	0.2027	4.7505	1.4602	-0.444	-0.067	0.9492
1701	32.3	32.4	1.8662	2.6817	0.202	4.7499	1.4499	-0.4256	-0.0837	0.9406
1702	31.6	32.5	1.8683	2.679	0.2025	4.7498	1.4213	-0.3868	-0.0841	0.9504
1703	32	32.5	1.8677	2.6792	0.2025	4.7494	1.3387	-0.3047	-0.0813	0.9528
1704	32.2	32.6	1.8662	2.681	0.2016	4.7488	1.2642	-0.2216	-0.0852	0.9574
1705	31.3	32.6	1.8662	2.6799	0.2018	4.7478	1.1811	-0.1462	-0.091	0.9439
1706	32.1	32.6	1.8647	2.6766	0.2052	4.7466	1.1168	-0.086	-0.0891	0.9417
1707	31.2	32.6	1.864	2.6747	0.207	4.7458	1.0632	-0.0608	-0.0783	0.9242
1708	31.9	32.6	1.8635	2.6744	0.2073	4.7452	1.0606	-0.0586	-0.078	0.924
1709	32.8	32.5	1.8654	2.6709	0.2075	4.7438	1.0585	-0.0618	-0.0746	0.922
1710	34	32.5	1.8649	2.6711	0.2055	4.7415	1.0713	-0.102	-0.0526	0.9167
1711	33.4	32.5	1.8632	2.6718	0.2044	4.7394	1.0931	-0.1411	-0.0442	0.9078
1712	31.7	32.5	1.8628	2.6723	0.2024	4.7375	1.108	-0.1306	-0.0748	0.9026
1713	32.3	32.5	1.8601	2.6736	0.2022	4.7358	1.1095	-0.1685	-0.0782	0.8627
1714	32.8	32.5	1.8604	2.6717	0.2033	4.7355	1.1142	-0.1712	-0.0777	0.8652
1715	33.8	32.5	1.8587	2.6728	0.2026	4.7342	1.0902	-0.1614	-0.077	0.8518
1716	33.5	32.5	1.854	2.6764	0.2024	4.7328	1.0943	-0.1565	-0.0835	0.8542
1717	33	32.5	1.8508	2.6783	0.2032	4.7323	1.0821	-0.168	-0.0582	0.8559
1718	32.7	32.5	1.8466	2.6812	0.2049	4.7326	1.1079	-0.1974	-0.0455	0.865
1719	32.1	32.5	1.8458	2.6799	0.2071	4.7328	1.0734	-0.1617	-0.0433	0.8684
1720	33.7	32.4	1.8498	2.6752	0.2071	4.7321	1.0846	-0.1785	-0.0183	0.8879
1721	31.3	32.3	1.8509	2.6731	0.2078	4.7317	1.1383	-0.2326	-0.0046	0.9011
1722	32.1	32.3	1.8534	2.6688	0.2081	4.7303	1.2085	-0.2878	-0.0028	0.9178
1723	31.5	32.2	1.8557	2.6673	0.2078	4.7308	1.199	-0.2634	-0.0175	0.9181
1724	32.2	32.2	1.8572	2.668	0.2065	4.7317	1.1852	-0.2234	-0.0342	0.9277
1725	31.4	32	1.8551	2.6688	0.2075	4.7314	1.157	-0.1768	-0.0497	0.9305
1726	32.2	31.9	1.8526	2.6685	0.2094	4.7305	1.1706	-0.1851	-0.054	0.9315
1727	31.5	31.8	1.8519	2.6692	0.2103	4.7314	1.1727	-0.2219	-0.0317	0.9191
1728	32.1	31.8	1.8518	2.6682	0.2099	4.7299	1.2088	-0.2463	-0.0454	0.917
1729	32.4	31.7	1.853	2.6665	0.2086	4.728	1.1804	-0.2223	-0.0567	0.9015
1730	30.7	31.6	1.8543	2.6664	0.2074	4.7281	1.1186	-0.1573	-0.0593	0.902

1731	31.6	31.6	1.8509	2.6679	0.2088	4.7276	1.1176	-0.1546	-0.0553	0.9076
1732	32.2	31.6	1.8518	2.6653	0.2101	4.7272	1.1273	-0.1688	-0.0627	0.8957
1733	31.2	31.7	1.8539	2.6623	0.2104	4.7267	1.1356	-0.1792	-0.0484	0.908
1734	30.5	31.7	1.8514	2.664	0.2105	4.7258	1.1315	-0.1623	-0.0578	0.9115
1735	32	31.7	1.8505	2.6652	0.2093	4.7251	1.1424	-0.1553	-0.0719	0.9152
1736	30.8	31.8	1.8488	2.6663	0.2109	4.7261	1.171	-0.1991	-0.0725	0.8994
1737	31.9	31.8	1.8512	2.6596	0.2127	4.7234	1.1935	-0.2204	-0.0689	0.9042
1738	31.4	31.7	1.8502	2.6613	0.2123	4.7238	1.2068	-0.2182	-0.0613	0.9274
1739	31.5	31.7	1.8478	2.6627	0.2116	4.7221	1.2025	-0.2468	-0.0384	0.9173
1740	31.6	31.9	1.8498	2.6624	0.2094	4.7216	1.1586	-0.2155	-0.027	0.9161
1741	32.4	31.9	1.8485	2.6636	0.2075	4.7196	1.085	-0.135	-0.0224	0.9276
1742	32.7	32	1.8459	2.6668	0.2061	4.7187	1.0382	-0.0746	-0.0357	0.9278
1743	32.5	32.1	1.8464	2.6655	0.2058	4.7176	1.0068	-0.0399	-0.0412	0.9257
1744	32	32.2	1.8467	2.6637	0.2061	4.7166	1.0002	-0.0252	-0.0415	0.9336
1745	32.8	32.1	1.8466	2.6632	0.2062	4.716	1.0651	-0.0853	-0.03	0.9498
1746	31.7	32.2	1.7968	2.706	0.2067	4.7095	1.1052	-0.1246	-0.0226	0.958
1747	31.3	32.1	1.7778	2.7198	0.2091	4.7067	1.0861	-0.1039	-0.0299	0.9523
1748	32.4	32.1	1.7814	2.7143	0.2092	4.7048	1.0468	0.0164	-0.0928	0.9703
1749	33.4	32	1.7854	2.7097	0.2084	4.7034	1.0971	0.0136	-0.1712	0.9395
1750	32.2	32	1.7869	2.7075	0.2082	4.7026	1.0895	-0.0005	-0.1669	0.9221
1751	33.6	31.9	1.7859	2.7074	0.2075	4.7008	1.0976	0.0051	-0.1892	0.9135
1752	32.8	31.8	1.7854	2.7061	0.2077	4.6992	1.115	0.0011	-0.1987	0.9174
1753	32.1	31.8	1.7902	2.6992	0.208	4.6974	1.1476	-0.0268	-0.1958	0.9249
1754	31.2	31.8	1.7912	2.6966	0.2084	4.6962	1.1534	-0.0253	-0.1975	0.9307
1755	31.8	31.7	1.7959	2.691	0.2084	4.6953	1.1494	-0.0061	-0.2086	0.9346
1756	31.2	31.7	1.8004	2.6871	0.2083	4.6957	1.1618	-0.0184	-0.2096	0.9338
1757	30.4	31.7	1.8032	2.6836	0.209	4.6958	1.1582	-0.053	-0.1747	0.9306
1758	30.5	31.7	1.8045	2.6814	0.2096	4.6954	1.1635	-0.0738	-0.1579	0.9317
1759	30.5	31.5	1.8034	2.6829	0.2089	4.6952	1.1704	-0.0784	-0.1562	0.9358
1760	30.3	31.4	1.8019	2.684	0.2093	4.6953	1.2039	-0.1177	-0.1556	0.9306
1761	31.3	31.2	1.8028	2.681	0.2113	4.6951	1.2122	-0.1168	-0.1796	0.9158
1762	32.4	31.2	1.8026	2.6816	0.2117	4.6959	1.2062	-0.1103	-0.1937	0.9022
1763	31.4	31.1	1.8027	2.6811	0.2112	4.695	1.2153	-0.1055	-0.2188	0.8909
1764	31.9	31.1	1.8063	2.6795	0.2094	4.6952	1.1981	-0.0923	-0.2242	0.8817
1765	31.3	31	1.8068	2.6779	0.2099	4.6945	1.2164	-0.1151	-0.2136	0.8876
1766	31.9	31	1.8053	2.6802	0.2081	4.6936	1.2106	-0.1035	-0.224	0.8831
1767	31.8	31	1.8023	2.6822	0.2082	4.6927	1.1691	-0.0621	-0.2294	0.8777

1768	30.8	31.1	1.8014	2.682	0.208	4.6914	1.1444	-0.0401	-0.2224	0.8819
1769	30.2	31.2	1.8023	2.6801	0.2077	4.69	1.1063	-0.0055	-0.2044	0.8965
1770	29.9	31.3	1.7999	2.6814	0.207	4.6883	1.1109	-0.021	-0.1801	0.9098
1771	31	31.2	1.7924	2.6872	0.2063	4.6859	1.1745	-0.0796	-0.1825	0.9124
1772	30.7	31.1	1.7897	2.6893	0.2065	4.6855	1.2031	-0.1082	-0.1759	0.919
1773	30.8	31.1	1.7896	2.6881	0.2065	4.6843	1.2511	-0.1644	-0.1741	0.9125
1774	31.4	31	1.7902	2.6859	0.2068	4.6828	1.2972	-0.1858	-0.1803	0.931
1775	31	31.1	1.7876	2.6863	0.2072	4.6811	1.3343	-0.1794	-0.2	0.9549
1776	30.5	31	1.7838	2.69	0.207	4.6809	1.323	-0.1706	-0.189	0.9635
1777	32.1	31	1.7808	2.6913	0.2083	4.6805	1.3071	-0.1767	-0.1658	0.9646
1778	31.7	31.1	1.7799	2.69	0.2092	4.6791	1.3162	-0.1707	-0.1556	0.9898
1779	31.8	31.1	1.7839	2.6872	0.2081	4.6791	1.3323	-0.1865	-0.1633	0.9826
1780	29.6	31.1	1.7828	2.6868	0.2071	4.6767	1.3679	-0.213	-0.1845	0.9705
1781	30.8	31	1.7799	2.6888	0.2065	4.6752	1.4068	-0.217	-0.2038	0.986
1782	31.2	31	1.7783	2.6911	0.2058	4.6752	1.3775	-0.199	-0.1863	0.9922
1783	31	31	1.7748	2.691	0.2074	4.6732	1.4112	-0.2405	-0.1701	1.0006
1784	31.8	31	1.7727	2.6904	0.2087	4.6718	1.4632	-0.2878	-0.1675	1.0079
1785	31.5	31	1.77	2.6934	0.2094	4.6728	1.4477	-0.2675	-0.1692	1.011
1786	31.8	31	1.765	2.6976	0.2094	4.6721	1.4568	-0.2525	-0.1896	1.0147
1787	31.4	31	1.7599	2.6999	0.2098	4.6695	1.4533	-0.2398	-0.1675	1.046
1788	30.3	31.1	1.7584	2.7013	0.2085	4.6682	1.5133	-0.3499	-0.1426	1.0207
1789	29.8	31.1	1.7611	2.6978	0.2073	4.6661	1.5228	-0.3281	-0.1516	1.0431
1790	29.5	31.2	1.7664	2.6912	0.2061	4.6637	1.5083	-0.3107	-0.1648	1.0327
1791	30.4	31.2	1.7685	2.6859	0.2069	4.6614	1.5656	-0.3207	-0.2038	1.0411
1792	31.3	31.2	1.7714	2.6822	0.2077	4.6612	1.5699	-0.3053	-0.2399	1.0246
1793	30.4	31.2	1.7731	2.6787	0.2083	4.6602	1.5528	-0.2558	-0.2692	1.0278
1794	31.2	31.1	1.7704	2.6811	0.2074	4.6589	1.5884	-0.2834	-0.2785	1.0265
1795	31.7	31.3	1.766	2.6839	0.2074	4.6573	1.6232	-0.3198	-0.2777	1.0257
1796	32.3	31.6	1.7656	2.6826	0.2083	4.6565	1.6502	-0.3352	-0.2805	1.0344
1797	32.5	31.8	1.7642	2.6782	0.2131	4.6556	0.7591	0.4519	-0.2775	0.9335
1798	32	31.9	1.7592	2.6774	0.221	4.6576	0.4151	0.7204	-0.2378	0.8977
1799	32	31.5	1.7579	2.6801	0.2207	4.6587	0.4917	0.6281	-0.2407	0.8792
1800	30.6	30.6	1.7558	2.6816	0.2217	4.6591	0.5788	0.5505	-0.2605	0.8688