

Test Name	CDR, PF, rep 2
Cladding	Cedar Wood
Cladding Thickness [mm]	12
Insulation	Phenolic (PF) foam
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 Cedar Wood cladding panel and a Phenolic (PF) foam insulation panel, separated with a cavity of 50 mm width. It is the second repetition of this system configuration.
Experiment Notes	At approximately 15 minutes ignition of the cedar vertical supports was observed, combined with increased smouldering within the Phenolic foam insulation, leading to a secondary peak in fire size. The Phenolic foam insulation was seen to continue smouldering after the experiment was terminated, requiring extinguishment.
Peak HRR [kW]	164
Time to Peak HRR [mins]	5
Residual HRR [kW]	18.5
Total HR [MJ]	70.4
Peak dQ/dt [kW/s]	1.41
Time to Peak dQ/dt [s]	3.7

Test Time [s]	Heat Release Rate HRR [kW]	HRR Smoothed [kW]	Mass Rainscreen [kg]	Mass Insulation [kg]	Mass Drip Tray [kg]	Mass Total [kg]	MLR Rainscreen Smoothed 100pt [g/s]	MLR Insulation Smoothed 100pt [g/s]	MLR Drip Tray Smoothed 100pt [g/s]	MLR Total Smoothed 100pt [g/s]
0	-0.16	-0.16	2.9754	2.3051	-0.0014	5.2791	0.6336	0.4902	0.0162	1.14
1	-0.149	-0.0863	2.9751	2.3034	-0.0013	5.2772	0.6727	0.4969	0.0161	1.1856
2	0.0502	-0.0472	2.9748	2.3023	-0.0013	5.2758	0.7126	0.5045	0.0189	1.2361
3	-0.0183	0.0725	2.9746	2.3016	-0.0013	5.275	0.755	0.5138	0.0153	1.284
4	0.0412	0.49	2.9743	2.3003	-0.0014	5.2732	0.8113	0.52	0.0138	1.345
5	0.147	1.18	2.9741	2.2991	-0.0014	5.2718	0.8533	0.523	0.0087	1.385
6	0.596	1.89	2.9742	2.2988	-0.0016	5.2714	0.8657	0.5226	0.0065	1.3948
7	1.4	2.6	2.9741	2.2984	-0.002	5.2705	0.8741	0.5108	0.0049	1.3899
8	2.5	3.26	2.9738	2.2976	-0.002	5.2694	0.8542	0.5002	0.0049	1.3593
9	3.71	3.82	2.9739	2.2971	-0.002	5.269	0.8315	0.4931	0.0053	1.3299
10	4.89	4.33	2.9733	2.2963	-0.0022	5.2674	0.8232	0.4804	0.0068	1.3104
11	5.37	4.81	2.973	2.2959	-0.0021	5.2668	0.8177	0.4659	0.0035	1.2871
12	6.14	5.3	2.9728	2.2954	-0.0021	5.2661	0.8349	0.4619	0.0032	1.2999
13	7.02	5.81	2.9725	2.2955	-0.0019	5.2661	0.8499	0.4474	0.0014	1.2987
14	7.52	6.32	2.9722	2.295	-0.0019	5.2654	0.8684	0.4408	0.0007	1.3099
15	8.03	6.83	2.9718	2.2945	-0.0018	5.2645	0.8927	0.4377	0.0017	1.3321
16	8.28	7.34	2.9712	2.2942	-0.0017	5.2636	0.8997	0.4343	0.0009	1.3349
17	8.56	7.82	2.9707	2.2938	-0.0017	5.2627	0.9091	0.4327	0.002	1.3437
18	8.6	8.24	2.9709	2.2933	-0.0017	5.2625	0.9351	0.4311	0.0041	1.3704
19	9.52	8.57	2.9714	2.2928	-0.0017	5.2625	0.9628	0.4262	0.0033	1.3923
20	8.98	8.87	2.9711	2.2927	-0.0017	5.2621	0.9675	0.424	0.0017	1.3932
21	9.48	9.16	2.9705	2.2929	-0.0019	5.2615	0.9886	0.4185	0.0002	1.4072
22	9.67	9.4	2.9698	2.2926	-0.0021	5.2603	1.0007	0.4166	0.0002	1.4174
23	9.66	9.63	2.9693	2.2921	-0.0023	5.2592	1.029	0.4084	0.0004	1.4378
24	9.89	9.89	2.9686	2.2913	-0.0024	5.2576	1.052	0.404	0.0007	1.4568
25	10.3	10.1	2.9679	2.2907	-0.0022	5.2564	1.0609	0.4041	-0.0001	1.4648
26	10.5	10.3	2.9671	2.2899	-0.0021	5.255	1.0631	0.4073	0.0021	1.4725
27	10.5	10.6	2.9668	2.2896	-0.002	5.2544	1.0694	0.4059	0.0027	1.478
28	9.96	10.8	2.9663	2.2894	-0.0018	5.2539	1.0674	0.3983	0	1.4658

29	10.7	11	2.9656	2.2892	-0.0019	5.2529	1.0352	0.3925	-0.0011	1.4266
30	10.8	11.3	2.9649	2.289	-0.0018	5.2521	1.0154	0.3797	0.0012	1.3962
31	10.7	11.6	2.9642	2.2894	-0.0018	5.2518	1.0238	0.3755	-0.0011	1.3981
32	11.4	11.8	2.9632	2.289	-0.0016	5.2506	1.0251	0.3725	0.0001	1.3978
33	12.4	12.1	2.9624	2.2883	-0.0014	5.2494	1.0307	0.3723	0.0001	1.4031
34	12.2	12.4	2.9622	2.2887	-0.0015	5.2494	1.038	0.3723	0.0001	1.4104
35	12.9	12.7	2.9618	2.2893	-0.0017	5.2493	1.0608	0.373	0.0006	1.4344
36	13	13	2.9615	2.2891	-0.0017	5.2489	1.1025	0.377	0.0031	1.4826
37	12.9	13.3	2.9609	2.2889	-0.0016	5.2482	1.1336	0.3781	0.004	1.5157
38	14.1	13.7	2.9597	2.2888	-0.0018	5.2467	1.1573	0.3858	0.0044	1.5474
39	13.9	14	2.9588	2.2888	-0.0018	5.2458	1.171	0.3855	0.0037	1.5602
40	14.2	14.3	2.9562	2.2882	-0.0019	5.2424	1.1917	0.3924	0.0014	1.5856
41	14.4	14.7	2.9554	2.2879	-0.002	5.2413	1.1969	0.3936	0.0012	1.5916
42	15.3	15	2.9539	2.2874	-0.0019	5.2394	1.1941	0.3988	0.001	1.5939
43	15.8	15.2	2.953	2.2869	-0.002	5.2379	1.2073	0.4027	-0.0007	1.6092
44	16.1	15.6	2.9519	2.2859	-0.0022	5.2355	1.2077	0.4011	0.0001	1.6088
45	16.1	16	2.9511	2.2848	-0.0025	5.2335	1.1997	0.3999	0.0009	1.6005
46	15.9	16.4	2.9498	2.2841	-0.0026	5.2313	1.1806	0.399	0.0017	1.5813
47	17	16.8	2.9481	2.283	-0.0025	5.2286	1.1751	0.4012	-0.0024	1.5738
48	16.5	17.3	2.9455	2.282	-0.0021	5.2254	1.216	0.3987	-0.0057	1.6091
49	17.2	17.8	2.9445	2.2819	-0.0021	5.2243	1.2383	0.394	-0.0052	1.6271
50	17.5	18.4	2.9419	2.2811	-0.0021	5.2209	1.2608	0.3954	-0.0049	1.6513
51	17.2	19	2.9392	2.2802	-0.0023	5.2171	1.2907	0.3945	-0.0079	1.6773
52	17.4	19.7	2.9362	2.2792	-0.0021	5.2133	1.3386	0.3885	-0.0069	1.7201
53	18.9	20.4	2.9324	2.2783	-0.002	5.2087	1.3773	0.3902	-0.0048	1.7626
54	20.5	21	2.9293	2.2776	-0.0018	5.2052	1.4291	0.3929	-0.0051	1.817
55	20.9	21.7	2.9277	2.2771	-0.0017	5.2032	1.4731	0.3925	-0.008	1.8576
56	21	22.5	2.9264	2.2773	-0.0016	5.2021	1.5127	0.3923	-0.0084	1.8965
57	22.4	23.2	2.9267	2.2774	-0.0016	5.2025	1.5549	0.3949	-0.0113	1.9385
58	24.3	24	2.9272	2.2773	-0.0016	5.2029	1.5768	0.3965	-0.0165	1.9568
59	25.9	24.7	2.9268	2.2776	-0.0017	5.2027	1.5742	0.3951	-0.0172	1.9521
60	25.9	25.4	2.9263	2.278	-0.0015	5.2028	1.5703	0.3958	-0.0161	1.9499
61	28.1	26.2	2.9244	2.2778	-0.0015	5.2007	1.6119	0.3987	-0.016	1.9946
62	27.9	26.9	2.9227	2.2782	-0.0014	5.1995	1.6618	0.3958	-0.0139	2.0437
63	28.7	27.5	2.9206	2.2782	-0.0013	5.1975	1.7233	0.4007	-0.0126	2.1114
64	29.7	28	2.9182	2.278	-0.0014	5.1947	1.7798	0.4112	-0.0108	2.1803
65	30	28.4	2.9168	2.2777	-0.0013	5.1932	1.8361	0.4165	-0.0096	2.243

66	30.5	28.8	2.9153	2.2774	-0.0014	5.1913	1.8807	0.4242	-0.009	2.296
67	31.3	29.1	2.9126	2.2771	-0.0016	5.1881	1.9289	0.4328	-0.0084	2.3533
68	31.8	29.3	2.9098	2.277	-0.0015	5.1853	1.9706	0.4384	-0.0074	2.4016
69	30	29.3	2.9085	2.2767	-0.0014	5.1838	2.0223	0.4437	-0.0077	2.4583
70	32.3	29.2	2.906	2.2767	-0.0013	5.1814	2.0878	0.4549	-0.0104	2.5323
71	30.1	28.9	2.9042	2.2764	-0.0013	5.1793	2.1332	0.4614	-0.0101	2.5846
72	30.6	28.6	2.9011	2.2766	-0.0013	5.1764	2.1606	0.4706	-0.0112	2.6199
73	30.3	28.3	2.8984	2.2765	-0.0013	5.1735	2.2005	0.4795	-0.0133	2.6667
74	28.9	27.8	2.8966	2.2761	-0.0013	5.1715	2.2567	0.4886	-0.0163	2.729
75	28.2	27.3	2.8954	2.2755	-0.0014	5.1694	2.2865	0.49	-0.0205	2.756
76	27.9	26.8	2.8939	2.2752	-0.0015	5.1675	2.3287	0.4969	-0.0215	2.8042
77	27.7	26.2	2.893	2.2753	-0.0013	5.167	2.3686	0.4956	-0.0198	2.8444
78	25.9	25.6	2.8944	2.2754	-0.0012	5.1686	2.4037	0.5025	-0.019	2.8872
79	24.1	25.1	2.895	2.276	-0.0014	5.1696	2.4569	0.5083	-0.0174	2.9479
80	22.3	24.4	2.8933	2.276	-0.0012	5.1681	2.4934	0.5147	-0.0162	2.9919
81	23.1	24	2.8921	2.2759	-0.0013	5.1667	2.5405	0.5225	-0.0141	3.049
82	22.6	23.4	2.8907	2.2755	-0.0013	5.1649	2.5745	0.538	-0.0137	3.0987
83	21	22.9	2.889	2.2751	-0.0013	5.1629	2.6218	0.5535	-0.0116	3.1637
84	20.7	22.5	2.886	2.2747	-0.0013	5.1594	2.669	0.5589	-0.011	3.2169
85	20.6	22.1	2.8814	2.274	-0.0016	5.1538	2.723	0.5655	-0.0116	3.2769
86	20.2	21.7	2.8776	2.2735	-0.0016	5.1495	2.7754	0.5882	-0.0144	3.3492
87	19.8	21.5	2.8744	2.2725	-0.0017	5.1452	2.8165	0.6046	-0.0184	3.4027
88	19.8	21.4	2.872	2.2721	-0.0016	5.1425	2.8806	0.6235	-0.0199	3.4843
89	19.7	21.3	2.869	2.2711	-0.0014	5.1386	2.9274	0.6385	-0.0224	3.5434
90	21.9	21.4	2.8673	2.2706	-0.0014	5.1365	2.9878	0.6505	-0.023	3.6154
91	20.1	21.5	2.8664	2.2697	-0.0014	5.1347	3.0072	0.6568	-0.0241	3.6399
92	21	21.7	2.8639	2.269	-0.0012	5.1317	3.0537	0.6739	-0.0268	3.7008
93	20	22.1	2.8627	2.2687	-0.0013	5.1301	3.1209	0.6889	-0.0295	3.7802
94	21	22.4	2.8622	2.2684	-0.0014	5.1293	3.1491	0.6933	-0.0333	3.8091
95	21.6	22.9	2.8629	2.2681	-0.0015	5.1295	3.1873	0.6934	-0.0366	3.8441
96	23.2	23.6	2.8622	2.2675	-0.0011	5.1287	3.2534	0.6897	-0.0382	3.905
97	23.5	24.3	2.857	2.2673	-0.0007	5.1236	3.3192	0.6848	-0.0391	3.9649
98	23.2	25.1	2.8536	2.2674	-0.0008	5.1202	3.3814	0.6839	-0.0391	4.0263
99	24.2	26	2.8501	2.2669	-0.0008	5.1162	3.4346	0.6874	-0.0364	4.0855
100	24.8	26.8	2.8463	2.2656	-0.0006	5.1114	3.4919	0.7017	-0.0368	4.1568
101	26.4	27.9	2.8412	2.2645	-0.0006	5.1051	3.5227	0.7125	-0.0362	4.199
102	27.4	29.1	2.8371	2.2633	-0.0008	5.0995	3.5723	0.7185	-0.0367	4.254

103	27.7	30.2	2.8317	2.2624	-0.0008	5.0933	3.6149	0.7126	-0.0371	4.2904
104	29.8	31.4	2.827	2.261	-0.0006	5.0875	3.6631	0.7141	-0.0373	4.3399
105	32.5	32.7	2.8229	2.2598	-0.0006	5.0821	3.7151	0.7182	-0.0347	4.3986
106	33.5	34	2.8187	2.2593	-0.0004	5.0775	3.7909	0.7219	-0.0331	4.4796
107	35	35.3	2.8164	2.2587	-0.0003	5.0748	3.8535	0.7335	-0.0322	4.5548
108	36.8	36.8	2.8164	2.2581	-0.0003	5.0742	3.9346	0.7494	-0.0327	4.6512
109	37	38.2	2.8169	2.2575	-0.0004	5.074	4.0192	0.7634	-0.0323	4.7503
110	42.4	39.5	2.8121	2.2564	-0.0006	5.0679	4.0937	0.7789	-0.0305	4.8421
111	42.6	40.9	2.8068	2.2563	-0.0007	5.0624	4.1902	0.7941	-0.0271	4.9573
112	40.7	42.2	2.8004	2.2553	-0.0008	5.0549	4.2298	0.8011	-0.0279	5.003
113	43.6	43.7	2.7945	2.2544	-0.0008	5.0481	4.307	0.8218	-0.0268	5.1021
114	47.1	45.2	2.7886	2.2534	-0.0009	5.0411	4.3239	0.8501	-0.027	5.147
115	47.7	46.7	2.7837	2.252	-0.0009	5.0349	4.351	0.8789	-0.031	5.199
116	49.1	48	2.7783	2.2509	-0.0009	5.0283	4.3915	0.8976	-0.035	5.2541
117	50.7	49.4	2.7736	2.2499	-0.001	5.0226	4.4209	0.9159	-0.0392	5.2975
118	50.8	50.7	2.7687	2.2489	-0.0009	5.0166	4.4511	0.9332	-0.042	5.3423
119	49.8	51.9	2.7626	2.2473	-0.0007	5.0093	4.4922	0.955	-0.0415	5.4057
120	52.2	53	2.7578	2.2466	-0.0007	5.0036	4.5588	0.9649	-0.0376	5.4861
121	52.3	54	2.7545	2.2458	-0.0008	4.9995	4.6338	0.9724	-0.0351	5.571
122	57.2	55.1	2.7498	2.2447	-0.0008	4.9937	4.7439	0.9858	-0.0411	5.6887
123	58.3	56.2	2.7437	2.2433	-0.0006	4.9863	4.7908	1.0096	-0.0444	5.756
124	59.8	57.1	2.74	2.2423	-0.0003	4.982	4.8586	1.033	-0.0464	5.8452
125	59.2	58	2.7351	2.241	-0.0001	4.976	4.9422	1.0536	-0.0454	5.9503
126	60.8	58.7	2.7303	2.2404	-0.0001	4.9706	5.0547	1.0603	-0.046	6.069
127	61.5	59.3	2.7264	2.2393	-0.0001	4.9656	5.1406	1.0694	-0.0455	6.1645
128	60.6	60.1	2.7206	2.2386	-0.0001	4.9591	5.2224	1.0974	-0.0422	6.2776
129	63.3	60.9	2.7162	2.2377	-0.0003	4.9537	5.3204	1.1233	-0.0425	6.4012
130	61.9	61.6	2.7108	2.2368	-0.0004	4.9472	5.4036	1.1596	-0.0466	6.5167
131	61.3	62.4	2.7067	2.2356	-0.0004	4.9419	5.4577	1.1846	-0.045	6.5973
132	63.7	63.2	2.701	2.2336	-0.0004	4.9343	5.5534	1.2073	-0.0451	6.7156
133	65.3	63.8	2.6955	2.2324	-0.0003	4.9277	5.6132	1.2235	-0.0468	6.7899
134	63.8	64.4	2.6899	2.2322	-0.0003	4.9217	5.6777	1.2366	-0.0506	6.8637
135	63	65.3	2.6842	2.2304	-0.0003	4.9144	5.7053	1.2462	-0.0528	6.8987
136	62.3	66.2	2.6798	2.2287	0.0001	4.9086	5.719	1.2534	-0.0556	6.9168
137	64.9	67.3	2.6728	2.2266	0.0004	4.8997	5.7454	1.2637	-0.0564	6.9528
138	65.3	68.6	2.6669	2.225	0.0005	4.8924	5.8029	1.2645	-0.056	7.0114
139	66.2	69.6	2.66	2.2237	0.0005	4.8843	5.8685	1.2733	-0.0552	7.0867

140	67.1	70.9	2.6554	2.2225	0.0005	4.8785	5.9491	1.2721	-0.0532	7.168
141	71.7	72.5	2.65	2.2205	0.0007	4.8713	6.055	1.2855	-0.054	7.2865
142	70	74.1	2.6418	2.2185	0.001	4.8614	6.1306	1.297	-0.0549	7.3727
143	72.5	75.5	2.6381	2.2176	0.0013	4.857	6.1952	1.3194	-0.0544	7.4602
144	74.7	77.2	2.6332	2.2165	0.0015	4.8511	6.2273	1.3283	-0.0571	7.4986
145	77.9	79.2	2.6258	2.2158	0.0014	4.843	6.2892	1.3372	-0.0611	7.5652
146	84	81.1	2.6179	2.2156	0.0013	4.8348	6.3727	1.3461	-0.0611	7.6577
147	84.1	83	2.61	2.2146	0.0015	4.826	6.4361	1.3529	-0.0533	7.7356
148	83.3	84.7	2.602	2.2133	0.0015	4.8168	6.4534	1.3638	-0.047	7.7701
149	85.8	86.6	2.5953	2.2117	0.0016	4.8087	6.5119	1.3819	-0.0496	7.8442
150	91.6	88.3	2.5896	2.2098	0.0015	4.801	6.5578	1.3858	-0.051	7.8926
151	94.4	90.4	2.5819	2.2083	0.0014	4.7917	6.6097	1.3899	-0.0518	7.9478
152	91	92.2	2.5747	2.2079	0.0016	4.7842	6.6197	1.3944	-0.0521	7.962
153	97.4	94	2.5661	2.2069	0.0017	4.7747	6.6488	1.3893	-0.0549	7.9832
154	99.8	95.9	2.5578	2.2058	0.0017	4.7653	6.6697	1.3955	-0.0537	8.0115
155	99.6	97.7	2.5486	2.205	0.0017	4.7553	6.7282	1.3944	-0.053	8.0696
156	99.9	98.9	2.541	2.2039	0.0017	4.7466	6.7862	1.3951	-0.0529	8.1284
157	97.4	100	2.5332	2.2025	0.0017	4.7374	6.8521	1.3996	-0.0529	8.1988
158	104	101	2.5252	2.201	0.0016	4.7278	6.9103	1.4072	-0.0523	8.2651
159	99.8	102	2.5174	2.1997	0.0014	4.7185	6.9864	1.4159	-0.052	8.3503
160	111	104	2.5073	2.1986	0.0012	4.7071	7.0676	1.4243	-0.0529	8.439
161	104	105	2.5015	2.1977	0.0013	4.7004	7.103	1.4269	-0.055	8.4749
162	106	106	2.492	2.196	0.0013	4.6893	7.1165	1.4349	-0.0533	8.4982
163	110	107	2.4882	2.1932	0.0014	4.6828	7.1276	1.4403	-0.0521	8.5158
164	112	107	2.4831	2.1901	0.0017	4.6748	7.1227	1.4493	-0.0546	8.5174
165	108	108	2.4777	2.188	0.0022	4.6678	7.1286	1.452	-0.0585	8.5221
166	107	109	2.4732	2.1858	0.0025	4.6616	7.1673	1.4569	-0.0611	8.5631
167	105	111	2.4675	2.1838	0.0026	4.6539	7.2209	1.4581	-0.0616	8.6175
168	108	112	2.4606	2.1815	0.0026	4.6447	7.2737	1.4666	-0.0584	8.682
169	112	113	2.4526	2.1802	0.0024	4.6352	7.2835	1.471	-0.0569	8.6975
170	114	114	2.4426	2.1795	0.0022	4.6243	7.2838	1.4688	-0.0591	8.6935
171	114	115	2.4298	2.1778	0.0028	4.6104	7.3258	1.4689	-0.06	8.7347
172	115	117	2.422	2.1756	0.0031	4.6008	7.3546	1.4689	-0.061	8.7625
173	115	119	2.4125	2.1732	0.0033	4.589	7.367	1.4702	-0.0589	8.7783
174	117	120	2.4024	2.1707	0.0033	4.5764	7.3582	1.4654	-0.0573	8.7663
175	120	121	2.3899	2.1694	0.0032	4.5625	7.404	1.4674	-0.0538	8.8176
176	120	123	2.3798	2.1682	0.003	4.5511	7.4334	1.4653	-0.054	8.8447

177	127	125	2.3707	2.1656	0.0029	4.5392	7.4592	1.473	-0.0544	8.8778
178	127	126	2.3624	2.1631	0.0031	4.5285	7.5221	1.4726	-0.055	8.9398
179	127	128	2.3546	2.1601	0.0033	4.518	7.5697	1.4727	-0.0532	8.9893
180	129	130	2.3475	2.1575	0.0033	4.5084	7.6007	1.4741	-0.0537	9.0211
181	138	131	2.3368	2.1551	0.0032	4.4952	7.6222	1.4739	-0.0549	9.0411
182	138	132	2.3293	2.1532	0.0034	4.4859	7.6492	1.4805	-0.0559	9.0738
183	136	133	2.3213	2.1515	0.0038	4.4765	7.6842	1.4741	-0.0549	9.1034
184	137	134	2.3155	2.1501	0.0039	4.4695	7.6998	1.471	-0.0521	9.1187
185	138	135	2.3095	2.1487	0.004	4.4622	7.7592	1.4833	-0.0531	9.1894
186	139	137	2.303	2.1471	0.004	4.4542	7.7858	1.4734	-0.0526	9.2066
187	135	138	2.2941	2.146	0.0039	4.444	7.8178	1.4697	-0.0525	9.235
188	146	139	2.2851	2.1448	0.0039	4.4338	7.812	1.4537	-0.0524	9.2134
189	145	140	2.274	2.1439	0.0039	4.4218	7.8174	1.4513	-0.0507	9.2181
190	140	140	2.2618	2.142	0.004	4.4078	7.8477	1.4521	-0.0486	9.2512
191	133	141	2.2533	2.14	0.0041	4.3974	7.8881	1.456	-0.0472	9.2969
192	138	141	2.2444	2.137	0.0042	4.3856	7.9251	1.4456	-0.045	9.3258
193	139	142	2.24	2.1359	0.0044	4.3802	7.9291	1.4335	-0.0408	9.3218
194	139	142	2.2333	2.1347	0.0047	4.3728	8.0025	1.439	-0.0389	9.4026
195	146	143	2.2256	2.1335	0.0047	4.3638	8.0727	1.4457	-0.0393	9.4792
196	148	144	2.2186	2.1322	0.0043	4.3551	8.0871	1.4494	-0.0407	9.4959
197	143	144	2.2117	2.131	0.004	4.3466	8.103	1.4633	-0.0411	9.5252
198	141	144	2.2024	2.1292	0.0042	4.3358	8.1106	1.4681	-0.0403	9.5383
199	144	144	2.1944	2.1283	0.0043	4.3269	8.1267	1.4682	-0.0416	9.5533
200	142	144	2.1854	2.1267	0.0046	4.3166	8.1557	1.4711	-0.0432	9.5837
201	143	145	2.1792	2.1251	0.0046	4.3089	8.1854	1.4688	-0.0441	9.6101
202	152	145	2.1722	2.1243	0.0047	4.3012	8.1926	1.4691	-0.045	9.6168
203	153	144	2.1648	2.1228	0.0046	4.2922	8.2327	1.4785	-0.042	9.6692
204	149	144	2.1542	2.1216	0.0047	4.2805	8.2317	1.4836	-0.039	9.6763
205	149	144	2.1443	2.1203	0.0047	4.2693	8.25	1.4868	-0.038	9.6988
206	147	144	2.1335	2.1193	0.0048	4.2577	8.245	1.4915	-0.0387	9.6978
207	149	143	2.1253	2.118	0.0049	4.2483	8.2653	1.4959	-0.0395	9.7217
208	144	143	2.1178	2.1165	0.0049	4.2392	8.2792	1.4929	-0.0395	9.7326
209	143	142	2.1101	2.1151	0.0049	4.2301	8.2921	1.4922	-0.0407	9.7436
210	143	141	2.1018	2.1137	0.0049	4.2205	8.3093	1.4931	-0.0448	9.7577
211	137	141	2.0951	2.1129	0.0046	4.2126	8.3213	1.4994	-0.0462	9.7746
212	132	140	2.0877	2.1113	0.0044	4.2033	8.3607	1.4963	-0.045	9.8121
213	137	138	2.0823	2.1095	0.0046	4.1964	8.3433	1.4869	-0.0404	9.7898

214	140	137	2.0758	2.1082	0.0049	4.1889	8.4025	1.48	-0.0364	9.8462
215	141	135	2.067	2.1063	0.0052	4.1786	8.4429	1.4597	-0.0392	9.8635
216	135	134	2.0562	2.1051	0.0053	4.1666	8.4932	1.4498	-0.0351	9.908
217	134	133	2.0462	2.1033	0.0049	4.1544	8.5655	1.4415	-0.0294	9.9776
218	127	132	2.0403	2.1018	0.0048	4.1469	8.5953	1.4359	-0.0275	10.0036
219	129	131	2.0342	2.1005	0.0053	4.1399	8.6183	1.4249	-0.0292	10.0139
220	131	130	2.0252	2.0997	0.0053	4.1302	8.6432	1.4278	-0.0319	10.0391
221	130	129	2.019	2.0989	0.0053	4.1232	8.6645	1.4284	-0.0295	10.0634
222	121	128	2.0131	2.0977	0.0051	4.1158	8.6255	1.4272	-0.0227	10.03
223	126	127	2.0079	2.0967	0.0051	4.1097	8.6399	1.425	-0.0171	10.0478
224	125	126	1.9996	2.0956	0.0051	4.1003	8.6127	1.411	-0.017	10.0067
225	125	125	1.9917	2.0945	0.0053	4.0915	8.5951	1.403	-0.0163	9.9818
226	124	124	1.9844	2.0931	0.0053	4.0828	8.5495	1.3991	-0.0179	9.9307
227	125	124	1.9742	2.0921	0.0054	4.0717	8.543	1.3977	-0.0213	9.9195
228	122	123	1.9636	2.0913	0.0052	4.0602	8.5185	1.3781	-0.022	9.8746
229	122	123	1.9561	2.0903	0.0051	4.0516	8.5221	1.362	-0.021	9.8631
230	120	122	1.9486	2.0894	0.0051	4.0431	8.5297	1.3414	-0.0188	9.8523
231	119	122	1.9418	2.0875	0.0052	4.0345	8.5544	1.3247	-0.0177	9.8614
232	114	121	1.9326	2.0862	0.0051	4.0239	8.5415	1.3087	-0.0194	9.8309
233	122	121	1.9255	2.0853	0.0049	4.0158	8.554	1.2974	-0.0191	9.8323
234	120	121	1.9139	2.0838	0.005	4.0028	8.5749	1.2995	-0.0173	9.8571
235	125	121	1.9057	2.0831	0.005	3.9937	8.5805	1.2936	-0.0156	9.8585
236	121	120	1.898	2.0817	0.0054	3.9851	8.6291	1.296	-0.0147	9.9103
237	118	120	1.8916	2.0812	0.0056	3.9784	8.6557	1.2926	-0.0132	9.9351
238	117	121	1.8852	2.0798	0.0055	3.9706	8.6636	1.2974	-0.0149	9.946
239	118	121	1.8753	2.0785	0.0054	3.9592	8.6842	1.3032	-0.0166	9.9707
240	127	122	1.8666	2.0769	0.0052	3.9488	8.6592	1.3021	-0.0172	9.944
241	117	123	1.8575	2.076	0.0052	3.9387	8.6086	1.2983	-0.015	9.8918
242	120	124	1.8489	2.0752	0.0051	3.9292	8.6047	1.2956	-0.0144	9.886
243	121	124	1.8378	2.0737	0.0052	3.9167	8.598	1.2785	-0.0133	9.8633
244	120	125	1.8259	2.0719	0.0054	3.9032	8.6346	1.2796	-0.0103	9.9039
245	119	126	1.8171	2.0709	0.0054	3.8934	8.664	1.2875	-0.0066	9.9449
246	124	127	1.8076	2.0693	0.0055	3.8823	8.6688	1.2942	-0.0058	9.9572
247	128	128	1.7989	2.0678	0.0055	3.8722	8.6779	1.2932	-0.011	9.9602
248	131	129	1.7894	2.0665	0.0057	3.8615	8.6789	1.2979	-0.0173	9.9595
249	133	131	1.7798	2.0646	0.0059	3.8503	8.6478	1.3006	-0.0169	9.9314
250	134	132	1.7711	2.0629	0.0059	3.84	8.6234	1.3084	-0.0144	9.9174

251	133	133	1.7627	2.0614	0.0059	3.83	8.6046	1.3034	-0.0133	9.8946
252	137	135	1.7514	2.0601	0.0058	3.8173	8.6221	1.3034	-0.0123	9.9133
253	135	136	1.7429	2.0586	0.0056	3.8071	8.6233	1.3073	-0.0092	9.9214
254	136	138	1.7328	2.0571	0.0055	3.7954	8.6243	1.3063	-0.0065	9.924
255	140	140	1.7241	2.0558	0.0055	3.7855	8.5978	1.3103	-0.004	9.904
256	137	141	1.7145	2.0544	0.0056	3.7745	8.5592	1.3197	-0.0082	9.8707
257	144	142	1.7053	2.0532	0.0056	3.7641	8.4953	1.3287	-0.0086	9.8154
258	147	143	1.696	2.0518	0.0057	3.7535	8.504	1.3266	-0.0099	9.8208
259	146	144	1.6865	2.0504	0.0058	3.7427	8.4983	1.3301	-0.01	9.8184
260	147	145	1.6752	2.0486	0.0058	3.7296	8.4753	1.3279	-0.01	9.7932
261	147	146	1.6654	2.048	0.0058	3.7192	8.4695	1.3296	-0.0096	9.7895
262	147	148	1.6576	2.0474	0.0053	3.7103	8.4672	1.339	-0.0092	9.797
263	153	149	1.648	2.0452	0.005	3.6982	8.4574	1.3346	-0.0075	9.7844
264	153	150	1.6388	2.0441	0.0056	3.6885	8.4764	1.3323	-0.0041	9.8047
265	148	152	1.6284	2.043	0.0057	3.677	8.462	1.3448	-0.0034	9.8034
266	153	153	1.6167	2.0417	0.0054	3.6638	8.4138	1.3595	-0.0049	9.7683
267	151	154	1.608	2.0402	0.0054	3.6535	8.3484	1.3647	-0.0039	9.7092
268	149	155	1.5987	2.039	0.0055	3.6433	8.2975	1.3605	-0.0064	9.6516
269	151	156	1.5883	2.0375	0.0055	3.6313	8.2984	1.3633	-0.0102	9.6514
270	159	158	1.5762	2.0366	0.0052	3.618	8.3012	1.3734	-0.0095	9.6651
271	161	159	1.5672	2.0351	0.0051	3.6074	8.2631	1.3822	-0.0087	9.6366
272	158	161	1.558	2.0331	0.0048	3.596	8.2593	1.3955	-0.008	9.6469
273	167	162	1.5512	2.0321	0.005	3.5883	8.2563	1.3918	-0.0093	9.6388
274	168	163	1.5429	2.0304	0.0049	3.5783	8.2462	1.3995	-0.0086	9.6372
275	161	163	1.535	2.0295	0.0049	3.5695	8.2324	1.38	-0.0082	9.6042
276	167	165	1.5255	2.0284	0.0052	3.5591	8.2407	1.361	-0.0044	9.5973
277	165	166	1.5189	2.0278	0.0051	3.5518	8.2276	1.3609	-0.005	9.5834
278	167	167	1.5102	2.0269	0.0052	3.5422	8.1709	1.3703	-0.0034	9.5379
279	176	167	1.5017	2.0259	0.0052	3.5327	8.1024	1.3709	-0.0021	9.4713
280	175	168	1.4921	2.0251	0.0051	3.5222	8.0409	1.3775	-0.002	9.4163
281	170	168	1.4827	2.0243	0.0051	3.5121	8.0087	1.3866	-0.0038	9.3916
282	172	169	1.4739	2.0234	0.0053	3.5027	7.9721	1.381	-0.0005	9.3525
283	169	169	1.4638	2.0215	0.0055	3.4908	7.9258	1.3918	0.0007	9.3183
284	163	169	1.4575	2.0207	0.0055	3.4837	7.8969	1.3987	-0.0023	9.2933
285	176	170	1.4466	2.0191	0.0055	3.4711	7.8343	1.3961	-0.0041	9.2263
286	173	170	1.4375	2.0179	0.0053	3.4607	7.7891	1.404	-0.0067	9.1863
287	165	171	1.4277	2.0163	0.0054	3.4494	7.7587	1.4107	-0.004	9.1654

288	165	171	1.4167	2.0144	0.0056	3.4367	7.75	1.4209	-0.0027	9.1682
289	164	170	1.4081	2.0137	0.0056	3.4274	7.7199	1.4275	-0.0036	9.1438
290	170	170	1.4009	2.0122	0.0055	3.4187	7.662	1.4288	-0.0054	9.0854
291	178	171	1.3928	2.0105	0.0055	3.4088	7.6039	1.4254	-0.004	9.0253
292	171	171	1.3846	2.0092	0.0055	3.3993	7.5628	1.4267	-0.004	8.9855
293	168	171	1.3765	2.0079	0.0054	3.3899	7.5299	1.4272	-0.005	8.9521
294	172	172	1.3669	2.006	0.0054	3.3783	7.464	1.4269	-0.0036	8.8874
295	169	172	1.3587	2.0041	0.0052	3.368	7.38	1.4319	-0.0007	8.8113
296	178	171	1.3508	2.0029	0.0054	3.3591	7.325	1.4324	0.0007	8.7581
297	167	172	1.3438	2.0012	0.0057	3.3507	7.2475	1.4342	0.0031	8.6849
298	173	172	1.3377	1.9991	0.0059	3.3427	7.1878	1.4376	0.0025	8.6279
299	173	173	1.332	1.9975	0.0057	3.3352	7.1194	1.4337	-0.0002	8.5529
300	175	173	1.3249	1.9963	0.0059	3.3271	7.0582	1.4273	0.0025	8.488
301	175	172	1.317	1.9948	0.0058	3.3176	7.0026	1.4143	0.0067	8.4236
302	172	172	1.3099	1.9936	0.0056	3.3091	6.9448	1.4097	0.0089	8.3635
303	175	171	1.3023	1.9922	0.0053	3.2998	6.8558	1.4088	0.0069	8.2715
304	177	171	1.2944	1.9906	0.0051	3.2901	6.797	1.412	0.0015	8.2105
305	170	170	1.2883	1.9883	0.0056	3.2822	6.7223	1.4084	-0.0025	8.1281
306	168	170	1.284	1.9864	0.0057	3.2761	6.6601	1.4045	-0.0031	8.0614
307	174	170	1.2749	1.9854	0.0059	3.2662	6.5878	1.3979	-0.0006	7.9851
308	175	169	1.2679	1.9835	0.0059	3.2573	6.5083	1.3964	0.0009	7.9056
309	170	168	1.2626	1.9823	0.0059	3.2508	6.4126	1.3891	0.003	7.8047
310	167	167	1.2549	1.9808	0.0059	3.2415	6.3144	1.3862	0.0041	7.7046
311	163	166	1.2484	1.979	0.0055	3.2329	6.2018	1.3885	0.0026	7.5928
312	161	165	1.2419	1.9778	0.0052	3.2249	6.118	1.3995	-0.0019	7.5155
313	158	164	1.2346	1.9762	0.0051	3.2159	6.0514	1.4017	-0.0085	7.4445
314	159	162	1.2296	1.9737	0.0053	3.2085	5.9704	1.3905	-0.009	7.3519
315	168	161	1.2256	1.9704	0.0057	3.2017	5.8921	1.3912	-0.002	7.2813
316	168	160	1.2214	1.9686	0.0056	3.1957	5.8194	1.3959	-0.0027	7.2125
317	161	159	1.2165	1.9672	0.0055	3.1892	5.7156	1.3982	-0.0069	7.107
318	150	157	1.2105	1.9655	0.0058	3.1818	5.6444	1.3897	-0.0082	7.026
319	156	156	1.2041	1.9631	0.0062	3.1734	5.5813	1.3872	-0.0061	6.9625
320	158	155	1.1989	1.9614	0.0062	3.1665	5.5454	1.3766	-0.0293	6.8927
321	157	154	1.1931	1.9594	0.0061	3.1585	5.4944	1.3822	-0.0787	6.7979
322	149	153	1.1874	1.9585	0.006	3.152	5.4409	1.3817	-0.0957	6.7269
323	149	152	1.1832	1.9568	0.0059	3.146	5.3684	1.3766	-0.1019	6.6431
324	147	151	1.1763	1.9576	0.0059	3.1398	5.3374	1.3746	-0.1001	6.6119

325	152	149	1.1676	1.9584	0.0057	3.1318	5.2729	1.3732	-0.1	6.5461
326	148	148	1.1616	1.957	0.0058	3.1244	5.2047	1.38	-0.0947	6.49
327	148	147	1.1571	1.9551	0.0057	3.1179	5.1331	1.3795	-0.0937	6.4189
328	146	146	1.1534	1.9542	0.0054	3.1131	5.0928	1.385	-0.0897	6.3881
329	150	145	1.1521	1.9526	0.0053	3.11	5.0352	1.39	-0.0844	6.3407
330	141	143	1.1477	1.9507	0.0055	3.1039	4.979	1.4028	-0.0863	6.2954
331	143	142	1.1446	1.9494	0.0052	3.0993	4.9146	1.4061	-0.0903	6.2303
332	136	140	1.14	1.947	0.005	3.0921	4.8511	1.4012	-0.0918	6.1605
333	138	139	1.1359	1.9455	0.0051	3.0865	4.7886	1.4057	-0.0934	6.1009
334	140	138	1.1305	1.9442	0.0054	3.0801	4.7059	1.3911	-0.0905	6.0065
335	139	136	1.1267	1.9427	0.0057	3.0751	4.6613	1.399	-0.0882	5.9722
336	138	135	1.1222	1.9406	0.0058	3.0686	4.5591	1.3897	-0.0863	5.8626
337	135	134	1.1166	1.9391	0.0059	3.0616	4.4839	1.3922	-0.0869	5.7893
338	133	132	1.1132	1.9371	0.0059	3.0562	4.4004	1.3831	-0.0868	5.6968
339	128	130	1.1091	1.9357	0.0059	3.0506	4.3111	1.3817	-0.0839	5.6089
340	133	129	1.1062	1.9344	0.0056	3.0462	4.2405	1.3848	-0.0806	5.5447
341	124	127	1.1013	1.9333	0.0056	3.0401	4.1884	1.3804	-0.0849	5.4839
342	126	126	1.0959	1.9325	0.0056	3.034	4.1278	1.3709	-0.0871	5.4116
343	124	124	1.0914	1.931	0.0056	3.028	4.0578	1.3649	-0.0869	5.3358
344	124	122	1.0879	1.9287	0.0055	3.0221	3.9872	1.3612	-0.0831	5.2653
345	121	121	1.0846	1.9277	0.0054	3.0176	3.9096	1.3521	-0.0837	5.178
346	120	119	1.0828	1.9258	0.0051	3.0138	3.8445	1.3463	-0.0904	5.1004
347	117	117	1.0801	1.924	0.0052	3.0094	3.7848	1.3402	-0.0882	5.0368
348	112	116	1.0774	1.9231	0.0057	3.0062	3.7279	1.3316	-0.0854	4.9741
349	114	114	1.074	1.9219	0.0056	3.0015	3.6843	1.3195	-0.0791	4.9247
350	109	113	1.0708	1.9215	0.0052	2.9976	3.6529	1.3129	-0.0775	4.8882
351	111	111	1.0682	1.9204	0.005	2.9936	3.6001	1.3131	-0.0788	4.8344
352	109	110	1.0659	1.9192	0.0051	2.9902	3.5396	1.3089	-0.0807	4.7678
353	107	109	1.0632	1.9174	0.0054	2.986	3.4738	1.3083	-0.0835	4.6986
354	108	107	1.0605	1.9163	0.0058	2.9826	3.3979	1.3038	-0.0873	4.6145
355	105	106	1.0581	1.9154	0.0058	2.9793	3.3256	1.2986	-0.0851	4.539
356	103	105	1.0557	1.9146	0.0057	2.9759	3.2673	1.2906	-0.0795	4.4784
357	102	104	1.0545	1.9135	0.0056	2.9735	3.2343	1.2839	-0.0799	4.4383
358	101	102	1.0548	1.9128	0.0054	2.973	3.1661	1.2832	-0.0771	4.3721
359	99	101	1.0551	1.9118	0.0054	2.9723	3.1141	1.2765	-0.0793	4.3113
360	96.6	100	1.055	1.9098	0.0056	2.9704	3.1036	1.2773	-0.0992	4.2817
361	101	99	1.0536	1.9081	0.006	2.9677	3.0432	1.2654	-0.0998	4.2089

362	103	97.7	1.0525	1.9072	0.0062	2.9659	2.9859	1.251	-0.1012	4.1357
363	97.6	96.6	1.051	1.9061	0.0059	2.963	2.9245	1.2455	-0.1029	4.0672
364	97.4	95.4	1.0496	1.905	0.0058	2.9604	2.8563	1.2353	-0.1025	3.9891
365	94.2	94.2	1.0464	1.9034	0.0059	2.9558	2.8142	1.2183	-0.1015	3.931
366	94.7	93.1	1.0451	1.9019	0.0061	2.9531	2.8028	1.1919	-0.0972	3.8975
367	90.8	92.1	1.0435	1.9012	0.0062	2.9509	2.7916	1.1831	-0.0993	3.8754
368	92.1	91.1	1.0406	1.9003	0.0062	2.9471	2.7566	1.1769	-0.0989	3.8347
369	92.9	90.2	1.0337	1.8998	0.0085	2.942	2.7666	1.1725	-0.1273	3.8119
370	86.1	89.4	1.0267	1.8984	0.013	2.9382	2.714	1.1601	-0.1245	3.7496
371	84.5	88.2	1.0231	1.8969	0.0146	2.9347	2.6789	1.1586	-0.1219	3.7156
372	86.2	87	1.0212	1.8955	0.015	2.9317	2.6409	1.1487	-0.1224	3.6672
373	85	85.9	1.0175	1.8947	0.015	2.9272	2.5957	1.1518	-0.1215	3.626
374	82.9	85	1.0156	1.8931	0.0149	2.9236	2.5714	1.141	-0.1206	3.5918
375	82.4	84.2	1.0145	1.8915	0.0144	2.9205	2.5192	1.1567	-0.1214	3.5544
376	83.3	83.6	1.0122	1.8905	0.0145	2.9172	2.4471	1.1752	-0.1212	3.5011
377	82.1	82.8	1.0096	1.8893	0.0141	2.913	2.3966	1.172	-0.1172	3.4514
378	81.1	82.3	1.0067	1.8879	0.0136	2.9081	2.3832	1.1599	-0.1185	3.4245
379	81.2	81.5	1.0038	1.8857	0.0138	2.9032	2.3656	1.1564	-0.1237	3.3983
380	79.4	81	1.0006	1.8845	0.0141	2.8992	2.3754	1.1427	-0.1292	3.3889
381	78.4	80.7	0.9975	1.8841	0.0143	2.896	2.3546	1.1344	-0.1298	3.3592
382	78.1	80.4	0.9951	1.8829	0.0146	2.8926	2.3357	1.1294	-0.1303	3.3348
383	80	80.1	0.9932	1.8824	0.0145	2.8901	2.3044	1.1143	-0.1317	3.287
384	79.5	79.7	0.9913	1.8808	0.0143	2.8865	2.2835	1.1091	-0.128	3.2647
385	82.5	79.3	0.9907	1.8801	0.0141	2.8849	2.2472	1.1077	-0.1237	3.2311
386	76.2	78.6	0.9891	1.8787	0.014	2.8817	2.223	1.105	-0.1212	3.2068
387	81.2	78.3	0.9877	1.878	0.0141	2.8797	2.1967	1.0944	-0.1194	3.1717
388	77.8	77.8	0.9856	1.8763	0.014	2.8758	2.1536	1.0876	-0.1175	3.1236
389	78	77.2	0.9841	1.8752	0.0137	2.8729	2.129	1.075	-0.1188	3.0853
390	78.3	76.8	0.9821	1.8742	0.014	2.8703	2.0984	1.0713	-0.1171	3.0526
391	79.2	76.4	0.98	1.8734	0.0143	2.8677	2.0831	1.0692	-0.1172	3.0351
392	79.4	76	0.9788	1.8727	0.0142	2.8657	2.0415	1.0764	-0.1226	2.9953
393	76.7	75.5	0.9778	1.8718	0.0138	2.8633	1.9949	1.072	-0.1267	2.9402
394	75.1	75	0.976	1.8707	0.0138	2.8605	1.9553	1.0629	-0.1289	2.8894
395	69.7	74.5	0.9743	1.8695	0.0143	2.858	1.9199	1.0567	-0.1276	2.849
396	75.9	74.1	0.9723	1.8689	0.0142	2.8554	1.8855	1.0624	-0.128	2.82
397	71.6	73.6	0.971	1.868	0.0142	2.8533	1.8721	1.0578	-0.1352	2.7947
398	69.4	73.1	0.9692	1.8672	0.0138	2.8502	1.8466	1.0492	-0.1359	2.7599

399	72.1	72.6	0.9667	1.8662	0.0135	2.8464	1.8192	1.0459	-0.1281	2.737
400	70.2	72.2	0.9649	1.865	0.0138	2.8437	1.7872	1.0535	-0.1276	2.7132
401	71.6	71.6	0.9631	1.8639	0.0139	2.8408	1.7544	1.059	-0.1335	2.6799
402	70.9	71	0.9625	1.8628	0.014	2.8392	1.7263	1.0608	-0.1369	2.6502
403	69.6	70.4	0.9625	1.8618	0.014	2.8383	1.7111	1.0554	-0.1355	2.631
404	72.1	69.9	0.9619	1.8607	0.0136	2.8362	1.695	1.0454	-0.1305	2.6098
405	69.1	69.6	0.9616	1.8593	0.0135	2.8344	1.6845	1.0382	-0.1268	2.5959
406	71.4	68.9	0.9605	1.858	0.0137	2.8323	1.6837	1.0333	-0.1243	2.5927
407	68.4	68.6	0.9583	1.857	0.0136	2.829	1.6718	1.035	-0.1259	2.5809
408	68.5	68.3	0.9565	1.8558	0.0138	2.8262	1.6632	1.0341	-0.1262	2.5712
409	70.8	67.8	0.9522	1.8546	0.0158	2.8226	1.6779	1.0368	-0.1226	2.5921
410	68.1	67.5	0.9505	1.8542	0.0158	2.8206	1.693	1.0353	-0.1192	2.6091
411	67	67.2	0.9498	1.8538	0.0157	2.8193	1.694	1.0277	-0.1191	2.6026
412	66.6	66.9	0.9495	1.8532	0.0154	2.8182	1.6979	1.0278	-0.1191	2.6067
413	64.2	66.7	0.949	1.8527	0.0153	2.817	1.6905	1.0222	-0.1182	2.5945
414	64.4	66.3	0.9481	1.8519	0.0154	2.8154	1.6544	1.0183	-0.1219	2.5509
415	63.2	66	0.9454	1.8512	0.0154	2.812	1.6407	1.0192	-0.1232	2.5368
416	65	65.6	0.9422	1.8503	0.0156	2.8081	1.6342	1.0106	-0.1227	2.5221
417	65.1	65.5	0.9408	1.8495	0.0154	2.8057	1.6411	1.0038	-0.1212	2.5237
418	62.4	65.3	0.9338	1.8482	0.0185	2.8006	1.6559	1.0016	-0.1277	2.5298
419	63.3	65.1	0.9327	1.8471	0.0186	2.7985	1.658	0.9966	-0.1321	2.5225
420	66.2	64.9	0.931	1.8456	0.0184	2.7949	1.6038	1.0001	-0.1068	2.4971
421	66.2	64.9	0.929	1.8445	0.0183	2.7918	1.55	0.9965	-0.0624	2.4841
422	65.1	64.7	0.9279	1.8433	0.0182	2.7894	1.5359	0.99	-0.04	2.4859
423	65.3	64.7	0.9261	1.8427	0.018	2.7868	1.5671	0.9748	-0.0357	2.5062
424	63.4	64.6	0.9244	1.8419	0.018	2.7844	1.5509	0.974	-0.0372	2.4877
425	63.9	64.7	0.9229	1.8409	0.0179	2.7817	1.5469	0.9635	-0.0416	2.4689
426	66.5	64.5	0.9219	1.8398	0.0176	2.7793	1.573	0.9563	-0.0477	2.4816
427	64.3	64.3	0.9188	1.8391	0.0176	2.7754	1.5967	0.9578	-0.0424	2.5122
428	67.1	64.1	0.9168	1.8386	0.0178	2.7732	1.6057	0.9534	-0.043	2.5161
429	64.6	63.9	0.9145	1.8383	0.0182	2.7711	1.6035	0.9436	-0.0477	2.4994
430	65.5	63.5	0.9123	1.8373	0.0185	2.768	1.5928	0.9308	-0.0465	2.4772
431	64.4	63.1	0.911	1.8365	0.0183	2.7658	1.5793	0.9264	-0.0437	2.462
432	63.8	62.8	0.9096	1.8356	0.0182	2.7634	1.568	0.9305	-0.0477	2.4508
433	62.7	62.5	0.9075	1.8346	0.0179	2.76	1.5532	0.9307	-0.0458	2.4381
434	64.4	62.4	0.9058	1.8335	0.0178	2.757	1.5416	0.9393	-0.0427	2.4382
435	61	62.3	0.9044	1.8322	0.0178	2.7544	1.5157	0.9332	-0.0468	2.4021

436	60.7	62	0.9025	1.8312	0.0177	2.7514	1.504	0.9357	-0.049	2.3907
437	59.6	61.9	0.9013	1.8304	0.0176	2.7492	1.4915	0.9322	-0.0504	2.3732
438	59.1	61.5	0.9003	1.8296	0.0178	2.7477	1.4904	0.9333	-0.051	2.3727
439	58.9	61.3	0.8992	1.8285	0.0176	2.7454	1.4928	0.9308	-0.0515	2.3721
440	59.3	61.1	0.8979	1.8275	0.0173	2.7427	1.5047	0.9323	-0.0629	2.3742
441	58	60.9	0.8971	1.8256	0.0179	2.7406	1.5072	0.9314	-0.0691	2.3695
442	60.8	61	0.8964	1.8253	0.0183	2.74	1.5054	0.9245	-0.0667	2.3631
443	61.3	61	0.8959	1.8247	0.0185	2.7391	1.5178	0.9201	-0.0641	2.3738
444	60.9	60.9	0.8959	1.8231	0.0182	2.7372	1.528	0.9283	-0.0694	2.3868
445	61.5	60.9	0.896	1.8214	0.0182	2.7356	1.5133	0.9227	-0.0683	2.3676
446	61.9	60.9	0.8956	1.8201	0.0187	2.7344	1.4904	0.9156	-0.0634	2.3426
447	59.9	61	0.8955	1.8191	0.0188	2.7334	1.4784	0.9164	-0.0647	2.3301
448	61.3	61	0.8955	1.8185	0.0185	2.7325	1.478	0.9096	-0.0632	2.3244
449	60.7	61.1	0.8952	1.8165	0.0184	2.7302	1.4638	0.9107	-0.0675	2.307
450	62.1	61.2	0.8954	1.8156	0.0186	2.7296	1.4326	0.9082	-0.0701	2.2707
451	64.3	61.3	0.8955	1.8144	0.0187	2.7286	1.4138	0.9057	-0.0674	2.252
452	62.9	61.3	0.8948	1.8137	0.0187	2.7271	1.4125	0.9028	-0.067	2.2483
453	63.4	61.3	0.8937	1.8128	0.0185	2.725	1.4058	0.8969	-0.0672	2.2355
454	60.2	61.2	0.8921	1.8125	0.0184	2.723	1.4008	0.9045	-0.0687	2.2366
455	61.4	61.1	0.8898	1.812	0.0183	2.7201	1.3967	0.9011	-0.0709	2.2269
456	61.3	61.1	0.8885	1.8111	0.0183	2.7179	1.4168	0.8992	-0.0729	2.243
457	59.3	61	0.8881	1.8101	0.0182	2.7164	1.4394	0.8936	-0.0697	2.2634
458	60.5	60.9	0.887	1.8092	0.0177	2.7138	1.4426	0.893	-0.0683	2.2673
459	60.9	60.9	0.8858	1.8082	0.0173	2.7114	1.4553	0.8904	-0.066	2.2797
460	59.9	60.8	0.8856	1.807	0.0175	2.7101	1.4345	0.8866	-0.0444	2.2767
461	60.2	60.4	0.8838	1.8053	0.0179	2.707	1.4406	0.8957	-0.0436	2.2927
462	62.5	60.1	0.8834	1.805	0.018	2.7064	1.4507	0.9	-0.0443	2.3064
463	59.1	59.6	0.8855	1.8043	0.0181	2.7079	1.4748	0.9004	-0.0449	2.3303
464	59.5	59.5	0.8855	1.803	0.0181	2.7067	1.4979	0.9001	-0.0445	2.3535
465	61.1	59.3	0.883	1.8024	0.0182	2.7036	1.5012	0.9013	-0.0435	2.359
466	59.3	59.1	0.881	1.8015	0.0182	2.7007	1.5415	0.913	-0.125	2.3296
467	59.3	59	0.8779	1.8011	0.019	2.698	1.556	0.914	-0.1292	2.3408
468	59.2	58.9	0.8748	1.8006	0.0194	2.6948	1.538	0.9074	-0.1308	2.3145
469	60	58.7	0.8734	1.7998	0.0191	2.6923	1.4809	0.9034	-0.0993	2.285
470	57.5	58.5	0.8718	1.7988	0.0193	2.6898	1.4749	0.8987	-0.1001	2.2734
471	57.6	58.4	0.8695	1.7979	0.0186	2.6861	1.4563	0.8927	-0.1031	2.2459
472	54.3	58.1	0.8645	1.798	0.0186	2.6811	1.4406	0.8904	-0.1026	2.2284

473	57.7	58	0.8624	1.7973	0.0187	2.6784	1.4422	0.8798	-0.1046	2.2174
474	58.1	58	0.8609	1.7968	0.0191	2.6767	1.4381	0.8801	-0.1046	2.2135
475	56.3	57.8	0.8572	1.7959	0.0192	2.6723	1.4371	0.8787	-0.1021	2.2137
476	57.9	57.6	0.8525	1.7947	0.0188	2.666	1.4349	0.8732	-0.1026	2.2055
477	57.7	57.4	0.849	1.794	0.0184	2.6614	1.4273	0.8639	-0.1054	2.1858
478	57.2	57.2	0.8463	1.7935	0.0184	2.6582	1.4068	0.8658	-0.1051	2.1674
479	57.7	57.1	0.8445	1.7926	0.0184	2.6555	1.3968	0.8685	-0.1019	2.1634
480	57.2	57	0.8427	1.7918	0.0185	2.653	1.3812	0.87	-0.0968	2.1544
481	56.9	57	0.8407	1.7911	0.0191	2.6509	1.3708	0.8662	-0.0941	2.1429
482	57.4	57.2	0.8398	1.7898	0.0192	2.6488	1.3657	0.8722	-0.0945	2.1434
483	60.2	57.3	0.839	1.7885	0.0188	2.6463	1.3467	0.8735	-0.0935	2.1267
484	56.6	57.2	0.8398	1.7875	0.019	2.6463	1.3323	0.8652	-0.094	2.1036
485	54.8	57.3	0.8403	1.7865	0.019	2.6458	1.3258	0.8606	-0.0937	2.0927
486	56.6	57.2	0.8399	1.7854	0.0191	2.6444	1.3222	0.8601	-0.091	2.0913
487	55.5	57.2	0.8386	1.7846	0.0192	2.6425	1.3236	0.8649	-0.0868	2.1017
488	56.8	57.2	0.8363	1.7832	0.0191	2.6386	1.3321	0.8632	-0.0905	2.1047
489	57.3	57.1	0.8336	1.782	0.02	2.6355	1.3412	0.8649	-0.0872	2.1189
490	57.3	57.1	0.8314	1.781	0.0209	2.6333	1.352	0.8601	-0.0888	2.1233
491	58.2	57.1	0.8295	1.7809	0.0209	2.6313	1.3562	0.8582	-0.09	2.1244
492	58.6	57	0.8271	1.7807	0.0206	2.6284	1.3632	0.8487	-0.0818	2.1301
493	56.6	56.7	0.825	1.779	0.0207	2.6246	1.3727	0.8508	-0.0751	2.1483
494	59.1	56.7	0.8246	1.7785	0.0206	2.6237	1.3862	0.8538	-0.0709	2.1692
495	56	56.8	0.8252	1.7779	0.0206	2.6237	1.3975	0.8535	-0.0738	2.1772
496	56.3	56.6	0.8245	1.7772	0.0207	2.6224	1.413	0.8429	-0.0741	2.1818
497	57.2	56.6	0.8232	1.7771	0.0206	2.6208	1.4304	0.8319	-0.0646	2.1977
498	56.1	56.5	0.8228	1.7761	0.0205	2.6195	1.4429	0.8339	-0.0617	2.2151
499	57	56.3	0.8235	1.7753	0.0205	2.6193	1.4608	0.8291	-0.0661	2.2237
500	56.7	56	0.8235	1.7744	0.0205	2.6185	1.4746	0.8114	-0.072	2.214
501	56.4	55.8	0.8218	1.7736	0.0206	2.616	1.4883	0.8059	-0.069	2.2252
502	54.5	55.6	0.8219	1.7731	0.0207	2.6157	1.4925	0.8013	-0.0678	2.226
503	56.1	55.4	0.8224	1.7713	0.0209	2.6147	1.4842	0.8069	-0.0679	2.2232
504	57.8	55.1	0.8222	1.7706	0.0207	2.6135	1.474	0.8085	-0.071	2.2115
505	52.7	54.9	0.8199	1.7694	0.0208	2.6101	1.4609	0.8163	-0.0712	2.206
506	53.9	54.8	0.8166	1.7687	0.0207	2.6059	1.4464	0.8192	-0.073	2.1926
507	55.8	54.7	0.8141	1.7677	0.0204	2.6022	1.4462	0.8165	-0.0722	2.1904
508	53	54.4	0.811	1.7668	0.0204	2.5982	1.4554	0.8136	-0.0709	2.1981
509	52.5	54.2	0.8088	1.7659	0.0203	2.595	1.4625	0.8103	-0.077	2.1958

510	53.8	54.2	0.8065	1.7647	0.0202	2.5913	1.4609	0.8111	-0.0798	2.1923
511	54.1	54.1	0.8048	1.7639	0.0201	2.5887	1.4658	0.8098	-0.0772	2.1984
512	53.1	53.9	0.802	1.7632	0.0199	2.5851	1.4557	0.7986	-0.0697	2.1846
513	53.8	53.7	0.7992	1.7627	0.0197	2.5816	1.4687	0.8082	-0.0637	2.2133
514	52.9	53.4	0.798	1.7617	0.0198	2.5796	1.5045	0.8063	-0.0675	2.2433
515	53	53.3	0.7912	1.7599	0.0279	2.579	1.5153	0.7988	-0.0691	2.245
516	55.3	52.9	0.7866	1.7589	0.0285	2.574	1.4956	0.8	-0.0682	2.2275
517	51.9	52.7	0.787	1.7588	0.0285	2.5743	1.477	0.802	-0.066	2.213
518	52.7	52.5	0.7857	1.7579	0.0284	2.5721	1.46	0.803	-0.0583	2.2046
519	56.2	52.4	0.7852	1.7573	0.0287	2.5711	1.4491	0.801	-0.0543	2.1958
520	54.2	52.2	0.7854	1.7563	0.0287	2.5704	1.4476	0.7976	-0.0565	2.1887
521	51.4	51.9	0.7849	1.7555	0.0286	2.569	1.4439	0.7955	-0.0553	2.1841
522	51.7	51.7	0.7837	1.7553	0.0286	2.5676	1.4386	0.7961	-0.0596	2.175
523	52.5	51.4	0.7823	1.7547	0.0285	2.5654	1.4004	0.802	-0.058	2.1444
524	50.6	51.2	0.7807	1.7541	0.0283	2.563	1.3962	0.798	-0.0564	2.1378
525	47.7	51	0.7795	1.7536	0.0281	2.5611	1.3974	0.8044	-0.0521	2.1497
526	50.5	50.6	0.7792	1.7534	0.0281	2.5607	1.3655	0.8044	-0.0525	2.1174
527	49.1	50.4	0.7781	1.7525	0.0281	2.5587	1.3231	0.8018	-0.0551	2.0698
528	51.2	50.2	0.7771	1.7518	0.028	2.5569	1.2925	0.802	-0.0559	2.0386
529	50.3	49.7	0.7764	1.7513	0.0279	2.5556	1.2764	0.8054	-0.0527	2.029
530	48.4	49.5	0.7752	1.7507	0.0279	2.5537	1.2808	0.8051	-0.0537	2.0322
531	48.9	49.3	0.7745	1.7493	0.0277	2.5515	1.2776	0.8071	-0.0565	2.0282
532	47.9	49.1	0.7749	1.7483	0.0276	2.5507	1.2655	0.8054	-0.0476	2.0234
533	49.6	48.7	0.7743	1.748	0.0273	2.5496	1.2594	0.808	-0.0422	2.0251
534	49.4	48.4	0.7732	1.7474	0.0271	2.5477	1.2562	0.8031	-0.046	2.0132
535	47.7	48.3	0.7722	1.7462	0.0269	2.5453	1.2649	0.8043	-0.048	2.0212
536	47.6	48	0.7701	1.7447	0.0264	2.5412	1.2644	0.807	-0.0476	2.0237
537	49.2	47.8	0.768	1.744	0.0267	2.5388	1.2628	0.8087	-0.0443	2.0271
538	47.4	47.6	0.7662	1.7431	0.0265	2.5358	1.2516	0.8113	-0.039	2.0239
539	50.4	47.4	0.764	1.7425	0.0265	2.533	1.2436	0.7995	-0.0363	2.0069
540	46.5	47.1	0.7623	1.7416	0.0263	2.5303	1.2327	0.7947	-0.0238	2.0037
541	47.5	46.9	0.7608	1.7408	0.026	2.5276	1.2162	0.7966	-0.0124	2.0003
542	45.7	46.7	0.7592	1.7402	0.0258	2.5252	1.2038	0.803	-0.009	1.9979
543	44.8	46.3	0.7572	1.7393	0.0256	2.5221	1.1856	0.8136	-0.0113	1.9879
544	46	46	0.7561	1.7377	0.0256	2.5195	1.172	0.8078	-0.0128	1.967
545	44.6	45.7	0.7547	1.7371	0.0256	2.5174	1.1723	0.8097	-0.01	1.972
546	45.9	45.4	0.7526	1.7369	0.0251	2.5146	1.19	0.8191	-0.0097	1.9994

547	47.2	45	0.7512	1.7357	0.025	2.5119	1.1915	0.8267	-0.0069	2.0113
548	45.7	44.8	0.7494	1.7356	0.0251	2.5101	1.1843	0.8299	-0.0066	2.0076
549	42.6	44.4	0.7478	1.7354	0.0256	2.5088	1.1916	0.833	-0.0058	2.0188
550	45.9	44.3	0.7466	1.735	0.0255	2.5071	1.2021	0.8381	-0.0026	2.0376
551	43.2	44	0.7463	1.7342	0.0255	2.506	1.2059	0.8356	-0.0007	2.0407
552	43.3	43.9	0.7463	1.733	0.0255	2.5048	1.193	0.8378	0.001	2.0318
553	43.5	43.8	0.7463	1.732	0.0256	2.5039	1.1977	0.8489	0.0025	2.049
554	42	43.8	0.746	1.7309	0.0256	2.5024	1.2076	0.8365	0.0078	2.0519
555	42.1	43.7	0.7451	1.7301	0.0256	2.5008	1.2061	0.8317	0.0096	2.0474
556	40.9	43.6	0.7439	1.7294	0.0255	2.4988	1.1881	0.8272	0.0138	2.0291
557	42.7	43.3	0.7426	1.7288	0.0253	2.4966	1.1614	0.828	0.0146	2.004
558	43.7	43.2	0.7407	1.7281	0.0254	2.4942	1.148	0.8232	0.0129	1.984
559	43.5	43.3	0.7397	1.7271	0.0253	2.4921	1.1364	0.8183	0.0171	1.9718
560	41.7	43.1	0.739	1.726	0.0252	2.4903	1.1268	0.8104	0.0159	1.9531
561	44	43	0.7382	1.7254	0.0249	2.4885	1.1113	0.8089	0.0172	1.9374
562	44.5	43	0.7366	1.7241	0.0244	2.4851	1.106	0.8167	0.0148	1.9375
563	44.9	42.9	0.7351	1.7237	0.0248	2.4836	1.0903	0.8222	0.0139	1.9264
564	43.5	42.9	0.734	1.7232	0.025	2.4822	1.074	0.8245	0.0138	1.9124
565	42.9	42.9	0.7334	1.7224	0.025	2.4808	1.0788	0.8276	0.0149	1.9213
566	42.6	42.9	0.7333	1.7213	0.0248	2.4794	1.0291	0.8163	0.1004	1.9458
567	43.5	42.8	0.7319	1.7208	0.0248	2.4775	0.9965	0.8247	0.1079	1.9291
568	44	42.6	0.7299	1.7205	0.0248	2.4752	1.0032	0.8321	0.1049	1.9401
569	42.3	42.6	0.7286	1.72	0.0248	2.4734	0.989	0.8424	0.1053	1.9367
570	42.1	42.6	0.7274	1.7192	0.0248	2.4714	0.9923	0.8418	0.107	1.9412
571	42	42.5	0.7257	1.7183	0.0246	2.4686	1.0091	0.8426	0.1077	1.9593
572	42.8	42.3	0.7244	1.7178	0.0244	2.4666	1.0185	0.8392	0.1043	1.962
573	41.5	42.2	0.7228	1.7175	0.0244	2.4646	1.024	0.8445	0.1049	1.9734
574	42.7	42.1	0.7212	1.7163	0.0243	2.4618	1.022	0.852	0.0998	1.9738
575	39.5	42	0.7207	1.7154	0.0244	2.4606	1.019	0.8574	0.0948	1.9713
576	40.7	41.8	0.7202	1.7145	0.0243	2.459	1.0276	0.857	0.0969	1.9815
577	41.7	41.7	0.7198	1.7138	0.024	2.4575	1.0428	0.8603	0.1005	2.0036
578	42	41.6	0.7187	1.713	0.0236	2.4553	1.056	0.8547	0.1019	2.0126
579	42.9	41.6	0.7164	1.7121	0.0238	2.4523	1.0546	0.8566	0.0969	2.0081
580	41.3	41.6	0.7149	1.7111	0.0241	2.4502	1.0644	0.8566	0.0962	2.0173
581	42	41.5	0.7142	1.7106	0.0239	2.4486	1.0581	0.8572	0.0981	2.0134
582	41.2	41.3	0.7138	1.709	0.0234	2.4462	1.0619	0.8604	0.098	2.0203
583	42.6	41.2	0.7134	1.7082	0.0234	2.445	1.0739	0.855	0.0921	2.021

584	40.3	41	0.7133	1.7071	0.0238	2.4442	1.0726	0.8595	0.0834	2.0155
585	39.6	41.1	0.7138	1.7058	0.0238	2.4434	1.0646	0.8583	0.0775	2.0005
586	41.5	41	0.7137	1.7046	0.0235	2.4417	1.0487	0.851	0.0728	1.9724
587	42.2	40.9	0.7135	1.7035	0.0231	2.4401	1.0176	0.8361	0.0685	1.9223
588	42.4	40.7	0.712	1.7032	0.0227	2.4379	0.9886	0.8292	0.0692	1.887
589	41.8	40.4	0.7103	1.7025	0.0223	2.4352	0.9744	0.8329	0.0688	1.8761
590	39.2	40.2	0.7098	1.7014	0.0221	2.4333	0.9573	0.8293	0.0739	1.8605
591	38.8	39.9	0.7091	1.7006	0.0218	2.4316	0.9425	0.8275	0.0712	1.8413
592	39.8	39.6	0.7085	1.6993	0.0218	2.4296	0.9477	0.8384	0.066	1.8521
593	40.2	39.2	0.7078	1.6982	0.022	2.4279	0.9331	0.8338	0.0619	1.8288
594	40.5	39	0.7074	1.6975	0.0216	2.4265	0.9208	0.8195	0.0606	1.8009
595	39.4	38.7	0.7062	1.696	0.0216	2.4238	0.9135	0.8069	0.064	1.7845
596	38.4	38.5	0.7054	1.6946	0.0214	2.4213	0.9089	0.8097	0.0669	1.7855
597	38.2	38.1	0.7048	1.6941	0.0212	2.4201	0.9025	0.8178	0.0637	1.784
598	38	37.7	0.7037	1.6928	0.0211	2.4176	0.9069	0.8131	0.0642	1.7842
599	36.8	37.4	0.7033	1.6915	0.0208	2.4155	0.9071	0.8186	0.0691	1.7949
600	36.6	37.2	0.7029	1.6909	0.0206	2.4144	0.9018	0.8242	0.0794	1.8054
601	35.5	37	0.7025	1.6898	0.0205	2.4128	0.9025	0.84	0.078	1.8205
602	36	36.7	0.7021	1.6882	0.0204	2.4108	0.9111	0.8477	0.0778	1.8366
603	36.7	36.4	0.7017	1.6877	0.0201	2.4095	0.9125	0.8425	0.0766	1.8315
604	34	36.1	0.7016	1.6874	0.0197	2.4088	0.9171	0.8358	0.072	1.8249
605	36.3	35.9	0.7011	1.6866	0.0194	2.4072	0.9287	0.823	0.0688	1.8205
606	35.2	35.7	0.7005	1.6859	0.0192	2.4056	0.9322	0.8207	0.0692	1.822
607	35.5	35.4	0.6993	1.6854	0.0191	2.4038	0.9373	0.8166	0.0673	1.8211
608	36.2	35.2	0.6974	1.6849	0.0187	2.401	0.9376	0.8107	0.0664	1.8147
609	34.8	35.2	0.6961	1.6849	0.0187	2.3996	0.9293	0.8127	0.0699	1.8119
610	34.2	35.1	0.6954	1.6838	0.0185	2.3976	0.9212	0.8146	0.0709	1.8067
611	34.6	35.2	0.6942	1.6822	0.0186	2.395	0.9235	0.8148	0.076	1.8142
612	34.6	35.2	0.693	1.681	0.0185	2.3925	0.9268	0.8132	0.0785	1.8185
613	34.9	35.2	0.6918	1.6802	0.0184	2.3904	0.915	0.8216	0.0737	1.8103
614	34.9	35.3	0.6901	1.679	0.0183	2.3874	0.9117	0.8244	0.0764	1.8125
615	34.6	35.3	0.6883	1.6783	0.0179	2.3844	0.912	0.8239	0.0779	1.8138
616	32.8	35.2	0.687	1.6764	0.0177	2.3811	0.9165	0.8177	0.0802	1.8143
617	35.1	35	0.6867	1.6756	0.018	2.3803	0.9234	0.8119	0.0781	1.8134
618	36.1	34.8	0.6868	1.6737	0.0179	2.3784	0.9215	0.8142	0.0756	1.8114
619	34.9	34.7	0.686	1.6731	0.018	2.377	0.9096	0.8201	0.0746	1.8042
620	36.8	34.6	0.6845	1.6721	0.0179	2.3744	0.907	0.8231	0.0763	1.8064

621	37.2	34.4	0.6831	1.6715	0.0182	2.3728	0.9048	0.8254	0.0785	1.8086
622	35.9	34.2	0.6813	1.6709	0.0181	2.3703	0.8955	0.8243	0.0804	1.8002
623	36.5	34	0.6801	1.6695	0.0185	2.368	0.8962	0.8263	0.0808	1.8032
624	35.7	33.9	0.6788	1.6683	0.0188	2.3659	0.8848	0.8276	0.0828	1.7952
625	33.7	33.8	0.6767	1.6679	0.0184	2.363	0.8784	0.8229	0.0897	1.791
626	31.8	33.8	0.6749	1.6674	0.018	2.3604	0.8797	0.8235	0.0916	1.7947
627	32.1	33.6	0.6725	1.667	0.0179	2.3574	0.8803	0.8273	0.0902	1.7978
628	32.5	33.5	0.6717	1.6661	0.0183	2.3561	0.8788	0.8338	0.0843	1.7969
629	32.1	33.3	0.67	1.6657	0.0183	2.3539	0.8693	0.8366	0.0807	1.7866
630	31	33.1	0.6694	1.6649	0.0181	2.3524	0.8509	0.8415	0.0835	1.7759
631	31.4	33	0.6683	1.6632	0.0179	2.3494	0.8396	0.844	0.0875	1.7711
632	31.5	32.8	0.6675	1.6628	0.0183	2.3486	0.8408	0.8375	0.0842	1.7625
633	31.9	32.6	0.667	1.6621	0.019	2.3481	0.8426	0.8247	0.0808	1.7481
634	33	32.5	0.6667	1.6616	0.0194	2.3477	0.8503	0.8222	0.0846	1.7571
635	32.4	32.5	0.6674	1.6611	0.0196	2.3481	0.8583	0.8272	0.09	1.7755
636	33	32.6	0.6684	1.6611	0.0195	2.349	0.8743	0.8276	0.0866	1.7885
637	32.5	32.7	0.6692	1.6611	0.0197	2.35	0.8706	0.8256	0.0846	1.7808
638	32	32.8	0.6687	1.6598	0.0196	2.3482	0.8826	0.824	0.0847	1.7913
639	33.1	32.9	0.6683	1.6596	0.0191	2.347	0.8691	0.836	0.0768	1.782
640	34.7	33.1	0.6681	1.6589	0.0192	2.3462	0.8514	0.8355	0.0658	1.7527
641	32	33.3	0.666	1.6569	0.0194	2.3424	0.8516	0.8268	0.0634	1.7418
642	32.9	33.3	0.6659	1.6568	0.0196	2.3423	0.8511	0.818	0.0616	1.7307
643	33.9	33.4	0.6652	1.6574	0.0195	2.3421	0.847	0.8053	0.0628	1.7151
644	33.3	33.4	0.6648	1.657	0.0192	2.341	0.8454	0.8024	0.0656	1.7133
645	33.8	33.4	0.6638	1.6562	0.0189	2.3389	0.8473	0.8049	0.0586	1.7108
646	34.6	33.4	0.6623	1.6551	0.0188	2.3362	0.8447	0.8002	0.0541	1.6991
647	34.6	33.4	0.6605	1.6544	0.0186	2.3335	0.8485	0.7885	0.0528	1.6898
648	33.9	33.4	0.6587	1.6537	0.0182	2.3306	0.8414	0.7845	0.0539	1.6798
649	34	33.4	0.6576	1.653	0.0177	2.3282	0.8292	0.7735	0.0502	1.653
650	35.2	33.2	0.6563	1.651	0.0177	2.325	0.8299	0.7684	0.0475	1.6457
651	32.4	33.3	0.6552	1.6495	0.0177	2.3223	0.8338	0.7614	0.0483	1.6435
652	33.7	33.2	0.6551	1.6487	0.0178	2.3216	0.8421	0.7515	0.0475	1.6411
653	32	33.2	0.6546	1.6484	0.0184	2.3214	0.8541	0.7382	0.0492	1.6415
654	33.4	33.1	0.6531	1.6486	0.0187	2.3204	0.8794	0.7433	0.0492	1.6719
655	32.7	33	0.6519	1.6481	0.0186	2.3186	0.8823	0.7536	0.0435	1.6794
656	31.9	32.8	0.6502	1.6478	0.0188	2.3167	0.8811	0.7559	0.0417	1.6787
657	32.4	32.6	0.6488	1.6477	0.0186	2.3152	0.8757	0.761	0.0409	1.6776

658	32.2	32.5	0.6478	1.6469	0.0184	2.313	0.8668	0.7783	0.0434	1.6884
659	32	32.4	0.6476	1.6457	0.0182	2.3115	0.8477	0.7762	0.0359	1.6597
660	32.8	32.2	0.6467	1.6446	0.0176	2.3088	0.8357	0.7845	0.0319	1.6521
661	31.9	32.2	0.6455	1.6441	0.017	2.3067	0.8294	0.7811	0.0313	1.6417
662	33.6	32.2	0.6451	1.642	0.017	2.3041	0.8201	0.7695	0.0344	1.624
663	32.5	32.1	0.6439	1.6412	0.0172	2.3023	0.8119	0.7593	0.0331	1.6043
664	31	32.1	0.6428	1.6408	0.0172	2.3008	0.8044	0.7599	0.0275	1.5918
665	30.9	32	0.6418	1.6406	0.017	2.2994	0.7984	0.7551	0.025	1.5785
666	31.2	32	0.641	1.6401	0.017	2.2981	0.788	0.748	0.0187	1.5546
667	31.4	32	0.6398	1.6393	0.0172	2.2964	0.7789	0.7301	0.0161	1.5251
668	31.6	32	0.6389	1.6385	0.0173	2.2948	0.7823	0.7279	0.0172	1.5274
669	31.2	32	0.6379	1.6377	0.0172	2.2928	0.7989	0.7202	0.02	1.539
670	32.7	31.9	0.6369	1.6367	0.017	2.2905	0.8073	0.7299	0.0176	1.5548
671	33.6	31.9	0.6361	1.6359	0.0166	2.2886	0.8031	0.7228	0.0173	1.5432
672	31	31.8	0.6348	1.6352	0.0163	2.2863	0.7938	0.727	0.0202	1.541
673	32.3	31.8	0.6343	1.6347	0.0161	2.2851	0.7814	0.7247	0.0203	1.5264
674	31	31.7	0.6333	1.634	0.0153	2.2827	0.7769	0.7092	0.0302	1.5163
675	32.1	31.7	0.6327	1.6331	0.0153	2.2811	0.7847	0.7017	0.0376	1.524
676	33.2	31.7	0.6322	1.6318	0.0153	2.2793	0.786	0.7024	0.033	1.5214
677	31.8	31.7	0.6319	1.6304	0.0156	2.2778	0.782	0.7105	0.0281	1.5206
678	31.7	31.6	0.6317	1.6293	0.0156	2.2766	0.771	0.7244	0.0226	1.5181
679	32.3	31.4	0.6313	1.6279	0.0155	2.2747	0.7724	0.728	0.0258	1.5262
680	31.6	31.2	0.631	1.6267	0.0154	2.273	0.7584	0.7402	0.0267	1.5253
681	31.5	31.1	0.6301	1.6268	0.0154	2.2724	0.7469	0.7343	0.0276	1.5088
682	31.4	31	0.6296	1.6265	0.0153	2.2714	0.7379	0.7245	0.0273	1.4897
683	30.6	30.8	0.6284	1.626	0.015	2.2693	0.7318	0.7366	0.0311	1.4995
684	30.8	30.7	0.6274	1.6244	0.0148	2.2666	0.723	0.7365	0.0354	1.4949
685	30.9	30.6	0.6264	1.6231	0.0151	2.2646	0.7162	0.7364	0.0382	1.4908
686	30.1	30.4	0.6266	1.622	0.015	2.2636	0.7282	0.7326	0.0406	1.5014
687	30.1	30.3	0.6252	1.6211	0.0146	2.2609	0.7475	0.7336	0.0403	1.5213
688	28.2	30.2	0.6251	1.6196	0.015	2.2598	0.7694	0.7413	0.0423	1.5529
689	29	30.1	0.6252	1.6189	0.0158	2.2599	0.7753	0.7376	0.0408	1.5538
690	30.4	30	0.6246	1.6187	0.0158	2.2591	0.7864	0.7473	0.0392	1.5729
691	29.2	29.8	0.624	1.6188	0.0157	2.2585	0.7963	0.7437	0.0395	1.5795
692	28.8	29.7	0.6238	1.6188	0.0155	2.2581	0.7867	0.7366	0.0414	1.5646
693	29.4	29.7	0.6232	1.618	0.0154	2.2566	0.7991	0.7493	0.0501	1.5985
694	29.6	29.6	0.6227	1.617	0.0157	2.2554	0.805	0.7603	0.0516	1.6168

695	30.5	29.5	0.6218	1.616	0.0162	2.2539	0.8124	0.7669	0.0522	1.6315
696	30.2	29.5	0.6205	1.6157	0.0161	2.2523	0.812	0.7709	0.043	1.6259
697	29.6	29.5	0.6206	1.6156	0.0158	2.2521	0.7958	0.778	0.0328	1.6065
698	29.6	29.6	0.6208	1.6155	0.0161	2.2523	0.7709	0.7741	0.0268	1.5719
699	29.4	29.6	0.6203	1.6147	0.016	2.251	0.7455	0.7703	0.024	1.5398
700	29.1	29.5	0.6196	1.6147	0.0158	2.2501	0.7313	0.7682	0.0188	1.5183
701	29.4	29.5	0.6183	1.6147	0.0157	2.2487	0.7151	0.7564	0.0174	1.4889
702	29.5	29.5	0.6167	1.6144	0.0155	2.2466	0.6978	0.7477	0.0118	1.4573
703	29.9	29.5	0.6137	1.6134	0.0152	2.2423	0.6958	0.7449	0.0111	1.4518
704	29.4	29.5	0.6134	1.6121	0.0154	2.2408	0.6902	0.747	0.02	1.4572
705	29.2	29.5	0.613	1.6111	0.0153	2.2393	0.6792	0.7514	0.0235	1.4541
706	30.7	29.4	0.6129	1.6098	0.0151	2.2378	0.6761	0.7519	0.0294	1.4574
707	29.9	29.4	0.6126	1.6076	0.0148	2.235	0.6734	0.7516	0.0305	1.4555
708	28.5	29.3	0.6126	1.6073	0.0151	2.2351	0.6724	0.7571	0.0303	1.4599
709	29.2	29.1	0.6125	1.6065	0.0155	2.2344	0.6829	0.7578	0.032	1.4727
710	29.3	29	0.6124	1.6057	0.0153	2.2334	0.6972	0.7525	0.0349	1.4846
711	28.9	28.9	0.6122	1.6052	0.0152	2.2326	0.7052	0.7531	0.032	1.4903
712	29.1	28.8	0.6118	1.6051	0.0152	2.2321	0.7052	0.757	0.0287	1.4908
713	30	28.7	0.6113	1.6042	0.0156	2.2312	0.7195	0.7472	0.0322	1.499
714	29.5	28.6	0.6103	1.6035	0.0158	2.2296	0.7173	0.757	0.0342	1.5084
715	29	28.6	0.6095	1.6035	0.016	2.229	0.7119	0.7558	0.0324	1.5001
716	28.8	28.5	0.6091	1.6034	0.0161	2.2286	0.7095	0.7598	0.0317	1.501
717	27.7	28.4	0.6085	1.6028	0.0163	2.2275	0.7091	0.7561	0.0282	1.4934
718	25.2	28.4	0.607	1.6016	0.0159	2.2245	0.7084	0.7544	0.0299	1.4928
719	27.6	28.3	0.6052	1.6001	0.0162	2.2215	0.713	0.7511	0.0324	1.4965
720	28.2	28.3	0.6041	1.5998	0.0162	2.2201	0.7136	0.7499	0.0293	1.4928
721	28.1	28.3	0.6037	1.5988	0.0161	2.2187	0.71	0.7502	0.0255	1.4857
722	27.4	28.4	0.6031	1.5984	0.0161	2.2176	0.7095	0.7506	0.0217	1.4818
723	27.9	28.3	0.6024	1.5986	0.0155	2.2164	0.7031	0.7497	0.017	1.4698
724	28.7	28.3	0.6003	1.5982	0.015	2.2135	0.6957	0.7567	0.0156	1.468
725	27.9	28.3	0.5981	1.5976	0.0151	2.2109	0.6909	0.7605	0.0098	1.4613
726	27.7	28.2	0.5967	1.5963	0.0152	2.2083	0.6981	0.76	0.0108	1.4689
727	28.8	28.2	0.5954	1.5946	0.0156	2.2056	0.6986	0.7575	0.0127	1.4688
728	28.7	28.4	0.5944	1.5933	0.0157	2.2035	0.6951	0.7481	0.0147	1.4579
729	28.5	28.4	0.5941	1.5916	0.0156	2.2014	0.6965	0.7425	0.0147	1.4536
730	29.6	28.4	0.5947	1.5915	0.0153	2.2015	0.6964	0.7397	0.0135	1.4496
731	30.2	28.4	0.5945	1.5908	0.0152	2.2005	0.6928	0.7377	0.0119	1.4423

732	28.7	28.3	0.5943	1.5891	0.0152	2.1987	0.6795	0.7484	0.0092	1.4371
733	28.7	28.3	0.5947	1.5884	0.0155	2.1986	0.6707	0.7578	0.0077	1.4362
734	28.9	28.2	0.5951	1.5879	0.0156	2.1986	0.6605	0.7627	0.0038	1.427
735	27.9	28.2	0.5945	1.5878	0.0155	2.1979	0.6563	0.7463	0.0036	1.4063
736	27.4	28.1	0.5936	1.5877	0.0155	2.1969	0.6578	0.7308	0.0052	1.3938
737	28.8	28	0.5922	1.587	0.0155	2.1948	0.6696	0.724	0.0043	1.3979
738	28.2	27.9	0.5912	1.586	0.0155	2.1928	0.6643	0.7218	-0.0007	1.3854
739	28.2	27.8	0.5897	1.5849	0.0152	2.1897	0.6633	0.7231	0.0046	1.3911
740	27.6	27.7	0.5884	1.5845	0.0153	2.1882	0.6711	0.7273	0.0131	1.4114
741	26.1	27.5	0.5874	1.5833	0.0153	2.1859	0.6745	0.7301	0.0162	1.4209
742	26.9	27.3	0.5859	1.5819	0.0146	2.1824	0.6777	0.7399	0.0172	1.4348
743	27.5	27.2	0.5847	1.5814	0.0143	2.1804	0.6855	0.7477	0.0165	1.4496
744	27.6	27	0.5835	1.5803	0.014	2.1779	0.6902	0.7431	0.0213	1.4547
745	26.6	27	0.5826	1.5791	0.0146	2.1763	0.6974	0.7362	0.0267	1.4603
746	26.1	27	0.5828	1.5773	0.0155	2.1755	0.6971	0.7289	0.0338	1.4598
747	26.1	26.8	0.5834	1.577	0.0159	2.1763	0.6835	0.7372	0.0296	1.4503
748	27.2	26.7	0.5842	1.5767	0.0158	2.1766	0.6901	0.7457	0.0207	1.4565
749	27.5	26.6	0.5845	1.5762	0.0158	2.1764	0.7063	0.7511	0.0281	1.4855
750	26	26.5	0.5848	1.5754	0.016	2.1761	0.7201	0.754	0.0291	1.5032
751	25.2	26.4	0.5854	1.5747	0.0165	2.1766	0.7239	0.7634	0.0275	1.5147
752	26.6	26.5	0.5855	1.5742	0.0167	2.1764	0.7146	0.7766	0.0311	1.5223
753	26.4	26.4	0.5856	1.5737	0.0164	2.1757	0.6948	0.7926	0.0301	1.5175
754	26.9	26.3	0.5852	1.5734	0.0163	2.175	0.6665	0.7931	0.0257	1.4853
755	27.1	26.3	0.5843	1.5729	0.0157	2.1729	0.6647	0.7898	0.0282	1.4826
756	25.6	26.3	0.5829	1.5726	0.0157	2.1711	0.6585	0.7822	0.0255	1.4662
757	25.8	26.4	0.5816	1.572	0.0156	2.1692	0.6628	0.7729	0.0201	1.4557
758	25.6	26.4	0.5795	1.5711	0.0152	2.1657	0.6662	0.7703	0.0152	1.4516
759	25.7	26.3	0.5779	1.5704	0.0147	2.163	0.6632	0.7823	0.0239	1.4694
760	26	26.4	0.5761	1.5692	0.0144	2.1598	0.6693	0.7786	0.0278	1.4757
761	27.3	26.5	0.575	1.5684	0.0142	2.1576	0.6905	0.7777	0.0254	1.4935
762	25.7	26.5	0.5731	1.5673	0.0138	2.1542	0.6906	0.7835	0.0221	1.4963
763	26.6	26.5	0.5722	1.5655	0.0138	2.1515	0.688	0.7892	0.0201	1.4972
764	25.8	26.4	0.5716	1.5652	0.014	2.1508	0.6912	0.7869	0.0228	1.5009
765	27.2	26.3	0.5708	1.5646	0.0138	2.1493	0.692	0.7848	0.0236	1.5004
766	27.4	26.3	0.57	1.5645	0.0142	2.1488	0.6889	0.7912	0.0256	1.5057
767	26.4	26.3	0.569	1.5639	0.0142	2.1471	0.6914	0.7966	0.0287	1.5167
768	27.3	26.4	0.5676	1.5634	0.0141	2.1452	0.6922	0.8037	0.0318	1.5277

769	27.6	26.4	0.5665	1.5627	0.0142	2.1435	0.6764	0.8148	0.0267	1.5179
770	26.9	26.4	0.5659	1.5617	0.0144	2.1419	0.6518	0.8043	0.0298	1.4859
771	26.5	26.3	0.5652	1.5608	0.0144	2.1404	0.6422	0.8044	0.0289	1.4755
772	25.6	26.4	0.5645	1.5602	0.0146	2.1393	0.6448	0.7994	0.0284	1.4726
773	25.3	26.4	0.5647	1.559	0.0145	2.1383	0.6436	0.7914	0.0292	1.4643
774	26	26.4	0.5643	1.558	0.0143	2.1366	0.641	0.8008	0.0235	1.4653
775	25.2	26.2	0.5629	1.5571	0.0142	2.1342	0.6156	0.8048	0.0178	1.4381
776	26.5	26.1	0.5623	1.5561	0.014	2.1324	0.5906	0.8119	0.0179	1.4204
777	26.2	26.1	0.5624	1.5556	0.0141	2.132	0.578	0.8164	0.0171	1.4115
778	26.2	25.9	0.5621	1.5551	0.0141	2.1313	0.5678	0.8099	0.0215	1.3993
779	26.2	25.8	0.5617	1.5539	0.0141	2.1297	0.563	0.8064	0.0254	1.3948
780	25.8	25.7	0.5617	1.5529	0.0142	2.1288	0.5733	0.7955	0.0258	1.3945
781	26.7	25.6	0.5622	1.552	0.0145	2.1287	0.5886	0.8028	0.0246	1.416
782	26.4	25.5	0.5625	1.5507	0.0146	2.1278	0.5922	0.8039	0.0257	1.4218
783	25.3	25.5	0.5623	1.5497	0.0146	2.1266	0.5971	0.8033	0.0254	1.4258
784	25.1	25.5	0.5618	1.5497	0.0144	2.126	0.6068	0.8009	0.0275	1.4352
785	24.9	25.4	0.5606	1.55	0.0146	2.1252	0.6251	0.8057	0.0286	1.4594
786	25.7	25.4	0.5596	1.5496	0.0146	2.1238	0.6262	0.8161	0.0282	1.4705
787	24.7	25.4	0.5588	1.5489	0.0147	2.1224	0.6214	0.8189	0.027	1.4673
788	24.4	25.3	0.5587	1.5473	0.0146	2.1206	0.6113	0.8192	0.0264	1.4569
789	24.8	25.2	0.5581	1.5462	0.0145	2.1188	0.6017	0.8199	0.0263	1.4478
790	24.5	25.3	0.5572	1.5457	0.0142	2.117	0.5856	0.818	0.0256	1.4292
791	24.6	25.2	0.5562	1.5448	0.0139	2.115	0.5727	0.8252	0.0291	1.4269
792	25.3	25.1	0.5553	1.544	0.0139	2.1131	0.56	0.8239	0.0278	1.4116
793	25.5	25.1	0.5542	1.5436	0.0133	2.1111	0.548	0.812	0.0208	1.3808
794	24.6	25.2	0.5529	1.5434	0.0131	2.1094	0.5412	0.8122	0.0211	1.3745
795	24.7	25.2	0.552	1.5431	0.0128	2.1079	0.5333	0.8124	0.0169	1.3626
796	26.7	25.2	0.5522	1.542	0.0131	2.1073	0.5352	0.7998	0.0207	1.3557
797	24.6	25.2	0.5516	1.541	0.0138	2.1064	0.541	0.7828	0.0276	1.3514
798	25.2	25.4	0.5501	1.5404	0.0133	2.1038	0.5569	0.7812	0.0298	1.3679
799	26	25.5	0.5483	1.5393	0.0131	2.1007	0.5747	0.7871	0.0285	1.3902
800	25.2	25.6	0.5472	1.5384	0.013	2.0986	0.5878	0.7868	0.0301	1.4047
801	25.4	25.7	0.5469	1.537	0.0126	2.0965	0.5936	0.7834	0.0341	1.411
802	25.7	25.7	0.5472	1.5351	0.0125	2.0949	0.6028	0.7861	0.0412	1.43
803	25.7	25.7	0.5471	1.5341	0.0126	2.0938	0.6136	0.7883	0.0436	1.4456
804	26	25.7	0.5469	1.5331	0.0126	2.0926	0.6203	0.7988	0.041	1.4601
805	25.4	25.6	0.5472	1.5328	0.0127	2.0927	0.6233	0.8099	0.0393	1.4726

806	25.2	25.5	0.5466	1.5325	0.0131	2.0922	0.6217	0.8124	0.033	1.4671
807	27.3	25.5	0.546	1.5306	0.0133	2.0898	0.6098	0.8186	0.032	1.4604
808	27.5	25.5	0.5463	1.5291	0.0127	2.0881	0.6035	0.8285	0.0315	1.4635
809	25.8	25.5	0.5456	1.5286	0.0127	2.0869	0.5846	0.8279	0.0317	1.4441
810	25.8	25.5	0.5434	1.5279	0.0128	2.0841	0.5675	0.8347	0.0273	1.4295
811	26.1	25.5	0.5431	1.5269	0.013	2.0829	0.5582	0.8297	0.0241	1.4119
812	24.9	25.4	0.543	1.5261	0.0132	2.0824	0.5598	0.8271	0.0211	1.408
813	24.1	25.4	0.5422	1.5256	0.0133	2.0811	0.547	0.8231	0.0162	1.3863
814	23.5	25.3	0.5411	1.525	0.0134	2.0795	0.5399	0.8119	0.0145	1.3663
815	24.3	25.3	0.5406	1.5243	0.0134	2.0784	0.5351	0.8139	0.016	1.3649
816	24.8	25.3	0.5399	1.5238	0.0132	2.0769	0.5283	0.8235	0.0143	1.3662
817	24.9	25.2	0.5392	1.5224	0.0131	2.0748	0.5205	0.8306	0.021	1.3721
818	26.5	25.1	0.5393	1.5202	0.0132	2.0727	0.5085	0.8391	0.0284	1.376
819	26.1	25	0.54	1.5197	0.0132	2.0729	0.4958	0.8433	0.023	1.3621
820	24.5	25	0.5399	1.5193	0.0133	2.0726	0.488	0.8563	0.0156	1.3599
821	24.2	25	0.5392	1.5189	0.0133	2.0714	0.4805	0.8458	0.0183	1.3445
822	24.9	25	0.5388	1.5192	0.0132	2.0712	0.4801	0.8406	0.019	1.3397
823	25.4	25.1	0.5383	1.5185	0.0131	2.0699	0.4858	0.8371	0.0212	1.344
824	25.4	25.1	0.5388	1.5177	0.0132	2.0697	0.5002	0.8284	0.0188	1.3474
825	25.1	25.2	0.539	1.5164	0.0133	2.0688	0.5078	0.823	0.0134	1.3442
826	25.2	25.3	0.5389	1.5147	0.0135	2.0671	0.5039	0.8171	0.0131	1.334
827	25.1	25.4	0.5386	1.5136	0.0135	2.0657	0.5113	0.8138	0.0145	1.3395
828	24.6	25.3	0.5381	1.5127	0.0132	2.064	0.5216	0.8158	0.0151	1.3525
829	25.1	25.2	0.5368	1.5121	0.013	2.0619	0.5218	0.8232	0.015	1.36
830	25.8	25.2	0.5358	1.5112	0.0128	2.0599	0.5197	0.8208	0.0171	1.3577
831	25.2	25.2	0.5353	1.5104	0.0126	2.0583	0.5238	0.8208	0.0208	1.3654
832	25.4	25.2	0.5346	1.5088	0.0127	2.0561	0.5299	0.8226	0.0238	1.3764
833	24.6	25.3	0.534	1.5084	0.0127	2.0551	0.5394	0.8241	0.027	1.3905
834	26.5	25.3	0.5326	1.5074	0.0127	2.0527	0.5445	0.826	0.027	1.3975
835	26.5	25.2	0.5319	1.5062	0.0127	2.0509	0.5468	0.8387	0.0239	1.4095
836	26	25.2	0.5315	1.5058	0.0128	2.0501	0.5379	0.8465	0.0269	1.4113
837	24.6	25.1	0.5311	1.5051	0.0129	2.0491	0.5296	0.8488	0.0284	1.4068
838	24.6	25.1	0.531	1.5041	0.0129	2.048	0.5185	0.8511	0.0262	1.3958
839	25	25.1	0.5311	1.5031	0.0126	2.0468	0.5155	0.843	0.0231	1.3816
840	24.4	24.9	0.5312	1.502	0.0124	2.0455	0.5098	0.8452	0.0198	1.3748
841	24.9	24.9	0.5313	1.5009	0.0125	2.0448	0.4986	0.8457	0.0177	1.362
842	25.9	24.8	0.5311	1.5007	0.0125	2.0443	0.4918	0.8455	0.0144	1.3517

843	25.3	24.7	0.5306	1.5002	0.0122	2.0429	0.4935	0.8415	0.0139	1.3489
844	24.3	24.6	0.5302	1.4991	0.0123	2.0416	0.4975	0.8428	0.0116	1.3519
845	24.2	24.4	0.5291	1.4991	0.0125	2.0407	0.4903	0.8506	0.0133	1.3542
846	23.8	24.3	0.5287	1.499	0.0127	2.0404	0.4847	0.865	0.0119	1.3616
847	25.2	24.3	0.5277	1.4989	0.0129	2.0395	0.4886	0.8663	0.0123	1.3672
848	24.3	24.3	0.5267	1.498	0.0129	2.0376	0.4878	0.8703	0.021	1.379
849	23.3	24.3	0.5257	1.4975	0.0128	2.0359	0.4793	0.8753	0.0199	1.3744
850	23.9	24.3	0.5255	1.497	0.0125	2.035	0.4663	0.8715	0.0175	1.3553
851	23.4	24.3	0.5251	1.4961	0.0124	2.0336	0.4575	0.8839	0.0186	1.3601
852	23.1	24.3	0.5241	1.4954	0.0123	2.0319	0.4582	0.884	0.0163	1.3585
853	23.9	24.3	0.5236	1.4938	0.0123	2.0297	0.4546	0.8721	0.0091	1.3358
854	24.4	24.4	0.5229	1.4924	0.0124	2.0277	0.4509	0.86	0.0048	1.3157
855	23.1	24.5	0.5221	1.4916	0.0124	2.0261	0.4601	0.8554	0.0028	1.3182
856	24.2	24.5	0.5219	1.4907	0.0125	2.0251	0.4696	0.855	0.0036	1.3281
857	24.7	24.5	0.5213	1.4891	0.0124	2.0228	0.4678	0.8537	0.0069	1.3285
858	25.4	24.5	0.521	1.4883	0.012	2.0213	0.466	0.8384	0.012	1.3164
859	25.1	24.6	0.5211	1.487	0.012	2.0201	0.4789	0.8338	0.008	1.3207
860	24.9	24.6	0.5203	1.4863	0.012	2.0186	0.476	0.8369	0.0076	1.3206
861	25.4	24.7	0.5191	1.4857	0.012	2.0168	0.4546	0.8417	0.0123	1.3087
862	25.5	24.8	0.5184	1.4849	0.0122	2.0155	0.445	0.8489	0.0133	1.3072
863	26.3	24.8	0.5182	1.4844	0.0123	2.0149	0.4376	0.8546	0.0136	1.3059
864	24.9	24.8	0.5181	1.4838	0.0124	2.0143	0.4311	0.8615	0.0144	1.307
865	25.3	24.8	0.518	1.4822	0.0124	2.0127	0.4229	0.8638	0.0135	1.3002
866	25	24.9	0.518	1.4814	0.0121	2.0116	0.4204	0.8642	0.0146	1.2992
867	24.4	25	0.5181	1.48	0.0114	2.0095	0.4185	0.8673	0.0132	1.2989
868	24.3	25	0.5181	1.4791	0.0118	2.0089	0.4145	0.8582	0.0107	1.2834
869	24.8	25	0.5177	1.4771	0.0127	2.0075	0.4222	0.8417	0.0114	1.2753
870	24.1	25	0.5178	1.4771	0.0126	2.0075	0.4362	0.8478	0.0121	1.2961
871	25.2	24.9	0.5172	1.4768	0.0125	2.0064	0.4428	0.8545	0.017	1.3144
872	23.9	24.9	0.5159	1.4765	0.0125	2.0049	0.4383	0.8591	0.0218	1.3192
873	24	24.8	0.5147	1.4762	0.0127	2.0035	0.4359	0.8685	0.0247	1.3291
874	24.7	24.8	0.5135	1.4757	0.013	2.0021	0.4401	0.8694	0.0252	1.3346
875	25	24.7	0.5125	1.4754	0.0129	2.0008	0.4519	0.8771	0.0263	1.3553
876	26.2	24.8	0.5112	1.4747	0.0126	1.9984	0.4608	0.872	0.0292	1.3619
877	25.8	24.8	0.5102	1.474	0.0126	1.9968	0.4643	0.8689	0.0313	1.3645
878	25.7	24.9	0.5099	1.4728	0.0126	1.9953	0.4624	0.8679	0.033	1.3633
879	25.4	24.9	0.5097	1.4719	0.0124	1.9939	0.4619	0.86	0.0308	1.3527

880	23.5	25	0.5093	1.4709	0.0121	1.9923	0.4522	0.8633	0.0293	1.3448
881	24.5	25.1	0.5092	1.4697	0.0121	1.991	0.4506	0.8641	0.0278	1.3424
882	24.3	25.2	0.5086	1.4683	0.0119	1.9888	0.4575	0.8667	0.028	1.3523
883	24.7	25.2	0.5079	1.4671	0.0119	1.9868	0.4557	0.8624	0.0325	1.3506
884	24.5	25.3	0.5071	1.4659	0.012	1.985	0.4477	0.87	0.0334	1.351
885	25.9	25.2	0.5068	1.4653	0.0119	1.9841	0.4339	0.8717	0.033	1.3385
886	25.3	25.2	0.5067	1.4647	0.0118	1.9832	0.4304	0.8682	0.034	1.3326
887	25.3	25.2	0.5069	1.4638	0.0121	1.9828	0.4382	0.8655	0.0288	1.3326
888	25.6	25.2	0.5072	1.463	0.0123	1.9825	0.4419	0.8644	0.0297	1.336
889	25.6	25.1	0.5071	1.4617	0.0125	1.9813	0.4507	0.8629	0.032	1.3455
890	26.5	25.2	0.5073	1.4611	0.0124	1.9808	0.4554	0.8604	0.0282	1.344
891	25.4	25.3	0.5071	1.4603	0.0125	1.9798	0.4603	0.8626	0.0265	1.3494
892	25	25.3	0.5059	1.4598	0.0125	1.9782	0.4727	0.8589	0.0309	1.3625
893	25.7	25.2	0.5045	1.4594	0.0121	1.976	0.4832	0.8716	0.0278	1.3826
894	24.9	25.2	0.5039	1.4583	0.0117	1.974	0.4834	0.8758	0.0213	1.3805
895	26.1	25.1	0.5036	1.4566	0.0116	1.9718	0.4826	0.8796	0.0248	1.387
896	25.3	25.1	0.5033	1.4553	0.0119	1.9705	0.4711	0.8938	0.0285	1.3934
897	25	25.1	0.5029	1.454	0.0117	1.9685	0.4621	0.9061	0.0281	1.3963
898	24.5	25.1	0.5022	1.4528	0.0113	1.9663	0.4468	0.9289	0.0233	1.3991
899	25.2	25	0.5016	1.4522	0.0113	1.9651	0.4322	0.9212	0.0177	1.3711
900	25.2	24.9	0.5014	1.45	0.0112	1.9626	0.4129	0.923	0.0156	1.3515
901	24.6	24.8	0.501	1.4486	0.011	1.9606	0.4101	0.9323	0.0146	1.357
902	23	24.8	0.5018	1.4479	0.0116	1.9613	0.4006	0.9225	0.0135	1.3366
903	24.3	24.6	0.502	1.4481	0.0121	1.9622	0.3761	0.9276	0.0095	1.3132
904	24.2	24.6	0.5009	1.4476	0.0123	1.9608	0.3677	0.9235	0.007	1.2982
905	25.2	24.5	0.5002	1.4473	0.0123	1.9599	0.3637	0.9161	0.0079	1.2877
906	25.5	24.4	0.4998	1.4471	0.0124	1.9594	0.3547	0.9152	0.007	1.2769
907	25	24.4	0.4994	1.4467	0.0121	1.9582	0.3551	0.9113	0.0076	1.2739
908	24.6	24.4	0.4984	1.4457	0.0119	1.956	0.3573	0.8992	0.0033	1.2598
909	24.5	24.5	0.498	1.4449	0.0119	1.9548	0.3642	0.8994	-0.003	1.2605
910	24.3	24.5	0.4979	1.4437	0.0116	1.9532	0.3713	0.8868	0.0046	1.2627
911	23.4	24.6	0.4986	1.442	0.0116	1.9522	0.3717	0.889	0.0069	1.2676
912	22.9	24.7	0.4992	1.4407	0.0119	1.9518	0.3644	0.8879	0.0095	1.2618
913	24.2	24.7	0.4991	1.4394	0.0119	1.9504	0.3715	0.893	0.0147	1.2793
914	24.1	24.7	0.4988	1.4386	0.0121	1.9495	0.374	0.8955	0.019	1.2886
915	24.1	24.7	0.4986	1.4379	0.012	1.9485	0.3835	0.8964	0.0248	1.3047
916	24.4	24.7	0.4981	1.437	0.0119	1.947	0.3936	0.8883	0.0293	1.3112

917	25.3	24.7	0.4978	1.4366	0.012	1.9464	0.4009	0.8903	0.0256	1.3168
918	25.8	24.7	0.4971	1.436	0.0121	1.9452	0.4081	0.8865	0.0196	1.3141
919	26.9	24.8	0.4964	1.4349	0.012	1.9433	0.415	0.8892	0.0216	1.3258
920	25.4	24.9	0.4956	1.4339	0.0116	1.9411	0.4189	0.8785	0.0295	1.327
921	24.8	25	0.4954	1.433	0.0111	1.9395	0.4263	0.8854	0.0311	1.3428
922	24	25.2	0.4952	1.4324	0.0107	1.9383	0.4284	0.9158	0.0284	1.3726
923	24.9	25.3	0.4943	1.4315	0.0106	1.9364	0.4267	0.9244	0.0196	1.3707
924	25.1	25.4	0.4936	1.43	0.0106	1.9342	0.4274	0.9304	0.0255	1.3834
925	25	25.5	0.493	1.4292	0.0104	1.9326	0.4286	0.9468	0.0269	1.4023
926	24.7	25.5	0.4925	1.4278	0.0104	1.9307	0.4347	0.9461	0.0277	1.4086
927	25.6	25.4	0.4924	1.4268	0.0102	1.9294	0.4344	0.95	0.0268	1.4112
928	25.2	25.4	0.4919	1.4267	0.0101	1.9287	0.4303	0.9528	0.0241	1.4073
929	26.8	25.4	0.4916	1.4258	0.0101	1.9274	0.4257	0.9595	0.0239	1.409
930	26.2	25.3	0.4908	1.4248	0.0101	1.9257	0.4244	0.9724	0.0213	1.4181
931	26.2	25.3	0.4895	1.4237	0.0098	1.9231	0.422	0.9759	0.0147	1.4126
932	26.2	25.3	0.4891	1.4225	0.0094	1.921	0.4235	0.9774	0.0099	1.4109
933	25.6	25.3	0.4893	1.4214	0.0094	1.92	0.4162	0.9689	0.0034	1.3885
934	25.2	25.2	0.4892	1.4202	0.0094	1.9188	0.4086	0.9578	0.0028	1.3691
935	24.9	25.2	0.4889	1.4194	0.0093	1.9176	0.4012	0.9505	0.0025	1.3542
936	24.7	25.2	0.4877	1.4193	0.0099	1.9169	0.3936	0.9515	-0.0024	1.3427
937	24.9	25.1	0.4869	1.4186	0.0099	1.9155	0.3961	0.9479	-0.0075	1.3365
938	26.2	25	0.486	1.4178	0.0097	1.9135	0.4134	0.9384	-0.0043	1.3475
939	24.2	24.9	0.4856	1.417	0.0098	1.9124	0.421	0.9402	0.0005	1.3616
940	24.7	24.7	0.4851	1.4157	0.0097	1.9106	0.4308	0.9333	0.0021	1.3662
941	24.4	24.6	0.4841	1.415	0.0094	1.9085	0.4454	0.9332	0.0035	1.3821
942	24.1	24.4	0.4828	1.4135	0.0097	1.9061	0.4567	0.9274	0.006	1.3901
943	24.2	24.4	0.4822	1.4126	0.0101	1.9049	0.4625	0.9228	0.0069	1.3922
944	24.4	24.3	0.4819	1.4112	0.0098	1.9029	0.4625	0.9265	0.0043	1.3934
945	24.2	24.2	0.482	1.4097	0.0097	1.9013	0.4642	0.9253	0.002	1.3915
946	24.4	24.2	0.4824	1.4084	0.0099	1.9008	0.4701	0.9162	0.0011	1.3874
947	24.3	24.2	0.483	1.406	0.0106	1.8996	0.4731	0.9077	0.0039	1.3846
948	24.3	24.1	0.4835	1.4059	0.0112	1.9005	0.4728	0.9086	-0.0034	1.378
949	22.5	24.1	0.4844	1.4052	0.0112	1.9008	0.4688	0.9114	-0.008	1.3723
950	24.2	24.1	0.4844	1.4038	0.0111	1.8993	0.4623	0.9192	-0.0078	1.3737
951	22.7	24.2	0.4851	1.4038	0.0111	1.9	0.4591	0.9129	-0.0116	1.3604
952	24.7	24.2	0.4865	1.4026	0.0114	1.9005	0.4574	0.9036	-0.0149	1.3461
953	23.6	24.1	0.4868	1.4015	0.0116	1.8999	0.4742	0.906	-0.0091	1.3711

954	23.8	24.1	0.4865	1.4008	0.0116	1.8989	0.484	0.9116	-0.0026	1.393
955	24.5	24.1	0.4866	1.4001	0.0117	1.8984	0.4764	0.9156	0.0015	1.3935
956	24.2	24.1	0.4864	1.3996	0.0117	1.8977	0.4709	0.9278	0	1.3987
957	25.1	24.2	0.4855	1.3992	0.0121	1.8968	0.4656	0.9347	-0.0045	1.3958
958	24.1	24.2	0.4846	1.3984	0.0123	1.8953	0.4598	0.9392	-0.0052	1.3939
959	24.8	24.4	0.484	1.3983	0.0115	1.8938	0.4468	0.9321	-0.0087	1.3703
960	24.8	24.5	0.4832	1.3974	0.0113	1.8919	0.4443	0.9251	-0.0099	1.3595
961	24.2	24.7	0.4826	1.3969	0.0111	1.8906	0.4498	0.9213	-0.01	1.3611
962	23.5	24.8	0.4813	1.3956	0.0107	1.8876	0.4677	0.9139	-0.0081	1.3736
963	23.4	25	0.4808	1.3948	0.0104	1.886	0.4856	0.9126	-0.0031	1.3952
964	24.1	25.1	0.4797	1.3942	0.0099	1.8838	0.4967	0.9116	-0.001	1.4074
965	24.9	25.2	0.4787	1.3934	0.0095	1.8815	0.5006	0.9142	-0.0002	1.4146
966	25.6	25.3	0.4779	1.3924	0.0096	1.8799	0.5046	0.9196	-0.0014	1.4228
967	25.7	25.4	0.4773	1.3913	0.0094	1.8781	0.4996	0.9228	-0.0026	1.4198
968	26.3	25.5	0.4766	1.3902	0.0096	1.8764	0.4935	0.9293	-0.0026	1.4202
969	26.2	25.6	0.4758	1.3892	0.0097	1.8748	0.4896	0.9322	-0.0002	1.4216
970	25.8	25.7	0.4752	1.3885	0.0095	1.8732	0.493	0.9336	-0.0019	1.4248
971	26	25.9	0.4743	1.3852	0.0097	1.8692	0.5029	0.9242	-0.003	1.4241
972	27.5	26.1	0.4733	1.384	0.0105	1.8679	0.5078	0.9227	-0.0057	1.4249
973	26	26.2	0.472	1.3831	0.0101	1.8652	0.513	0.9288	-0.009	1.4329
974	25.8	26.3	0.4706	1.381	0.0103	1.8619	0.5106	0.9293	-0.0097	1.4303
975	26.1	26.4	0.469	1.3808	0.0101	1.8599	0.5103	0.9294	-0.0066	1.4331
976	27.2	26.3	0.4677	1.3797	0.0099	1.8573	0.5153	0.9384	-0.0088	1.4449
977	27.1	26.2	0.4672	1.3787	0.0102	1.856	0.5235	0.9344	-0.0089	1.449
978	27	26.2	0.4673	1.3768	0.0102	1.8544	0.5294	0.9361	-0.0114	1.4541
979	26.9	26.1	0.4672	1.3746	0.0103	1.8521	0.5267	0.9462	-0.0123	1.4606
980	27.2	26	0.4671	1.3733	0.0106	1.851	0.517	0.952	-0.0104	1.4586
981	26.6	25.9	0.4668	1.372	0.0111	1.8499	0.5095	0.9585	-0.0104	1.4576
982	26.4	25.8	0.4669	1.3714	0.0115	1.8499	0.5069	0.959	-0.0118	1.4541
983	25.9	25.8	0.467	1.3713	0.0116	1.8499	0.51	0.9547	-0.0153	1.4494
984	25.7	25.8	0.467	1.3708	0.0118	1.8496	0.52	0.9491	-0.0121	1.457
985	23.9	25.8	0.4675	1.3702	0.0121	1.8498	0.533	0.9419	-0.01	1.465
986	24.3	25.8	0.4671	1.3699	0.0125	1.8495	0.5345	0.945	-0.0101	1.4694
987	25.9	25.9	0.4656	1.37	0.0125	1.8481	0.5284	0.9573	-0.002	1.4837
988	24.8	26	0.4651	1.369	0.0122	1.8463	0.5197	0.9625	-0.0004	1.4817
989	24.3	26.1	0.464	1.3684	0.0123	1.8447	0.5102	0.9663	-0.0031	1.4733
990	24.5	26.1	0.4628	1.3678	0.0121	1.8426	0.5123	0.9632	-0.001	1.4746

991	24.8	26.2	0.4614	1.3675	0.0119	1.8408	0.5118	0.9571	-0.0008	1.4681
992	25.7	26.4	0.4597	1.3676	0.0118	1.839	0.5068	0.9586	-0.0029	1.4626
993	25.6	26.6	0.4582	1.3667	0.0117	1.8366	0.5017	0.9517	0.0004	1.4537
994	27.2	26.8	0.4575	1.3658	0.0115	1.8348	0.498	0.9604	0.007	1.4654
995	27.3	27	0.4566	1.365	0.0115	1.833	0.4959	0.9724	0.0072	1.4755
996	27.9	27.3	0.456	1.3646	0.0115	1.8321	0.5157	0.9697	0.0062	1.4916
997	28.9	27.5	0.4556	1.3632	0.012	1.8307	0.5338	0.9626	0.0113	1.5077
998	28.8	27.6	0.4553	1.3617	0.0121	1.8291	0.5484	0.9487	0.0155	1.5126
999	28.1	27.8	0.4554	1.3602	0.0121	1.8278	0.5657	0.9605	0.0234	1.5496
1000	28.1	28	0.4555	1.3587	0.0123	1.8265	0.5847	0.972	0.0245	1.5812
1001	29.3	28.2	0.4553	1.3582	0.0125	1.826	0.5971	0.9727	0.0223	1.5921
1002	29.9	28.3	0.4544	1.3573	0.0125	1.8242	0.6107	0.9961	0.0209	1.6276
1003	29.4	28.4	0.4536	1.3569	0.0124	1.8229	0.627	0.9997	0.0273	1.6541
1004	29	28.4	0.4533	1.356	0.0122	1.8214	0.63	0.9946	0.0318	1.6564
1005	29.1	28.5	0.4531	1.3546	0.0123	1.82	0.6245	1.0059	0.0294	1.6598
1006	28.7	28.6	0.4533	1.3537	0.0129	1.8198	0.6294	1.0117	0.031	1.672
1007	27.5	28.6	0.4534	1.3528	0.0126	1.8188	0.6278	1.0255	0.0282	1.6815
1008	28.4	28.6	0.4537	1.3525	0.0128	1.819	0.6228	1.032	0.0279	1.6827
1009	28.2	28.6	0.4535	1.3524	0.0129	1.8189	0.6237	1.0306	0.0283	1.6827
1010	27.9	28.7	0.4529	1.3516	0.0126	1.8171	0.62	1.0383	0.0206	1.679
1011	28.6	28.9	0.4518	1.3506	0.0124	1.8149	0.617	1.041	0.0239	1.6818
1012	27	28.9	0.4507	1.3494	0.0122	1.8123	0.6156	1.039	0.0216	1.6762
1013	27.4	29	0.4494	1.3482	0.012	1.8097	0.6066	1.0335	0.0148	1.6549
1014	29.8	29	0.4487	1.3472	0.0121	1.808	0.6103	1.0332	0.0139	1.6575
1015	30.1	29.1	0.4481	1.346	0.0121	1.8062	0.6063	1.0302	0.0117	1.6482
1016	29	29.1	0.4481	1.3448	0.0122	1.8051	0.5966	1.028	0.0061	1.6307
1017	27.7	29.2	0.4484	1.3437	0.0123	1.8044	0.5953	1.034	0.0048	1.6341
1018	28.6	29.2	0.4481	1.3428	0.0121	1.803	0.5966	1.0388	0.0064	1.6418
1019	30.4	29.2	0.4471	1.3415	0.0122	1.8008	0.5946	1.0308	0.0104	1.6358
1020	31.6	29.3	0.4454	1.3415	0.0119	1.7987	0.5899	1.0442	0.0092	1.6433
1021	30.1	29.3	0.4446	1.3407	0.0117	1.797	0.5977	1.043	0.0047	1.6454
1022	31.2	29.4	0.4439	1.3395	0.0116	1.795	0.599	1.0086	0.0023	1.61
1023	30.2	29.6	0.4432	1.3386	0.0116	1.7934	0.601	1.0041	0.0098	1.6148
1024	30	29.6	0.4426	1.337	0.0113	1.7909	0.5964	1.0084	0.0061	1.6109
1025	28.8	29.5	0.4414	1.3354	0.0113	1.7881	0.5912	0.9976	0.0134	1.6022
1026	29	29.6	0.4402	1.3344	0.0113	1.7858	0.5826	0.9998	0.013	1.5954
1027	29.1	29.6	0.4394	1.3332	0.0113	1.7839	0.5798	0.994	0.0099	1.5837

1028	29.2	29.6	0.4393	1.332	0.0113	1.7826	0.5943	0.994	0.0127	1.601
1029	28.5	29.6	0.4399	1.3306	0.0111	1.7816	0.6106	0.9953	0.0123	1.6182
1030	29.1	29.5	0.4398	1.329	0.0111	1.7799	0.6178	0.9955	0.0098	1.6231
1031	29.5	29.6	0.4388	1.3278	0.011	1.7776	0.6339	0.9926	0.0134	1.6399
1032	30.6	29.6	0.4381	1.3271	0.011	1.7761	0.6395	0.997	0.0194	1.656
1033	29.9	29.5	0.4373	1.3265	0.0106	1.7743	0.6457	0.9998	0.022	1.6675
1034	28.9	29.4	0.4359	1.326	0.0104	1.7723	0.6459	1.0147	0.0215	1.682
1035	29.2	29.5	0.4354	1.3249	0.0103	1.7707	0.6405	1.023	0.0265	1.6901
1036	28.4	29.5	0.4348	1.3236	0.0101	1.7685	0.6497	1.025	0.0336	1.7083
1037	28.8	29.5	0.435	1.3224	0.0099	1.7673	0.6527	1.0308	0.0381	1.7217
1038	30.5	29.6	0.435	1.3211	0.01	1.7661	0.65	1.0376	0.0397	1.7273
1039	30.4	29.6	0.4343	1.3207	0.0099	1.7649	0.6595	1.0416	0.0415	1.7426
1040	30.8	29.6	0.434	1.32	0.0098	1.7638	0.6546	1.0533	0.0436	1.7516
1041	31	29.7	0.4334	1.3191	0.0097	1.7622	0.6511	1.0546	0.0391	1.7449
1042	29.4	29.6	0.4327	1.3184	0.0097	1.7607	0.6426	1.0703	0.0379	1.7508
1043	28	29.6	0.4324	1.3165	0.0094	1.7583	0.6382	1.0756	0.0406	1.7544
1044	30.1	29.6	0.4324	1.3139	0.0091	1.7554	0.6285	1.096	0.0401	1.7646
1045	29.3	29.6	0.4304	1.3127	0.009	1.7522	0.6297	1.0866	0.0408	1.757
1046	29.4	29.7	0.4291	1.3122	0.0088	1.75	0.6327	1.0903	0.0434	1.7665
1047	30	29.6	0.4282	1.3111	0.009	1.7483	0.6356	1.1021	0.0448	1.7825
1048	29.2	29.4	0.4269	1.3098	0.0088	1.7455	0.6475	1.0951	0.0469	1.7895
1049	29.3	29.3	0.4259	1.308	0.0087	1.7426	0.6595	1.0879	0.0449	1.7922
1050	30.4	29.1	0.4247	1.3066	0.0089	1.7401	0.6727	1.085	0.0452	1.803
1051	29.6	28.8	0.424	1.3042	0.009	1.7372	0.6738	1.0844	0.043	1.8013
1052	29.9	28.7	0.4238	1.3027	0.0086	1.7351	0.6717	1.0923	0.0458	1.8097
1053	29.6	28.7	0.4238	1.302	0.0084	1.7342	0.6629	1.0915	0.0486	1.803
1054	28.6	28.6	0.4241	1.3002	0.0087	1.733	0.6578	1.1038	0.046	1.8076
1055	29.7	28.6	0.4237	1.2989	0.0086	1.7312	0.6545	1.1057	0.0435	1.8037
1056	27.9	28.5	0.4236	1.2971	0.0089	1.7296	0.6634	1.0964	0.0455	1.8053
1057	26.8	28.5	0.4232	1.296	0.0093	1.7286	0.6775	1.0838	0.0516	1.8128
1058	27.2	28.5	0.4223	1.2953	0.0095	1.727	0.7049	1.085	0.049	1.8389
1059	27.1	28.5	0.422	1.2944	0.0095	1.7259	0.7228	1.0843	0.0514	1.8584
1060	26.8	28.4	0.4215	1.2933	0.0089	1.7237	0.7347	1.0892	0.0541	1.878
1061	26.8	28.4	0.4211	1.293	0.0089	1.723	0.7428	1.082	0.0492	1.874
1062	27.8	28.4	0.4206	1.2923	0.0092	1.7221	0.7403	1.0759	0.0443	1.8606
1063	28.7	28.5	0.4197	1.2915	0.009	1.7203	0.7417	1.0757	0.0388	1.8562
1064	28	28.6	0.4191	1.2912	0.0088	1.719	0.7408	1.076	0.0337	1.8505

1065	28.7	28.6	0.419	1.2906	0.0089	1.7185	0.7425	1.0749	0.0372	1.8546
1066	29.1	28.9	0.4184	1.289	0.0091	1.7165	0.7388	1.0715	0.0426	1.8529
1067	28.7	29.1	0.4176	1.2875	0.0088	1.7139	0.7411	1.0754	0.0502	1.8667
1068	30.4	29.4	0.4171	1.2871	0.0086	1.7128	0.7465	1.0937	0.0468	1.887
1069	28.9	29.6	0.4169	1.2848	0.0088	1.7105	0.7499	1.0882	0.0433	1.8814
1070	29.7	29.8	0.4154	1.2842	0.009	1.7087	0.7486	1.0942	0.0453	1.8881
1071	30.1	30.1	0.4144	1.2843	0.0094	1.7082	0.7411	1.0972	0.0436	1.882
1072	30.6	30.3	0.4132	1.2836	0.0096	1.7064	0.7426	1.1022	0.0408	1.8857
1073	30	30.5	0.4123	1.2823	0.0095	1.7041	0.7462	1.1043	0.0394	1.8899
1074	31	30.7	0.4115	1.2812	0.0089	1.7017	0.7566	1.1187	0.0352	1.9105
1075	32	30.9	0.4108	1.2808	0.0088	1.7004	0.7647	1.1176	0.0302	1.9124
1076	32	31.1	0.4098	1.2803	0.0089	1.6989	0.7659	1.1044	0.033	1.9033
1077	32	31.4	0.4077	1.2793	0.0089	1.6959	0.7565	1.1034	0.0354	1.8953
1078	31.3	31.5	0.4063	1.2773	0.009	1.6925	0.7484	1.1081	0.0363	1.8928
1079	30.8	31.6	0.4055	1.2751	0.0093	1.6898	0.7548	1.1021	0.0372	1.8941
1080	31.9	31.8	0.4037	1.274	0.0093	1.687	0.7646	1.0817	0.0314	1.8778
1081	31.8	31.9	0.4029	1.2723	0.0092	1.6843	0.7681	1.0666	0.0321	1.8668
1082	32	32	0.4024	1.2715	0.0093	1.6832	0.7807	1.0656	0.0315	1.8777
1083	32.4	32.1	0.4024	1.2698	0.0095	1.6817	0.7865	1.0649	0.0285	1.8799
1084	32.9	32.3	0.4029	1.2685	0.0091	1.6806	0.7778	1.079	0.0234	1.8802
1085	33	32.2	0.4025	1.2677	0.0088	1.679	0.7482	1.0929	0.0202	1.8613
1086	32.8	32.2	0.4018	1.2669	0.0087	1.6774	0.7331	1.113	0.0174	1.8634
1087	32.8	32.2	0.4006	1.2662	0.0085	1.6754	0.7273	1.1201	0.0141	1.8615
1088	32	32.3	0.3991	1.2649	0.0081	1.6721	0.7484	1.1223	0.0113	1.882
1089	32.3	32.4	0.3986	1.263	0.0079	1.6695	0.7525	1.1234	0.0098	1.8857
1090	32.9	32.4	0.3976	1.2623	0.0081	1.6681	0.7624	1.122	0.0056	1.89
1091	32.9	32.5	0.3971	1.2605	0.0081	1.6658	0.7609	1.1283	0.004	1.8932
1092	30.8	32.6	0.3958	1.26	0.0077	1.6636	0.7616	1.1194	0.0022	1.8832
1093	34.1	32.5	0.3954	1.2571	0.0077	1.6602	0.7678	1.108	-0.002	1.8737
1094	31.8	32.5	0.3945	1.2572	0.0075	1.6591	0.7717	1.1068	-0.0069	1.8716
1095	31.3	32.5	0.3933	1.2559	0.0072	1.6564	0.7671	1.0863	-0.0082	1.8452
1096	31.8	32.7	0.3924	1.2544	0.007	1.6538	0.7466	1.0843	-0.0062	1.8248
1097	33.5	32.7	0.3908	1.2537	0.0073	1.6518	0.7487	1.0912	-0.0097	1.8302
1098	32.7	32.8	0.3894	1.2529	0.0076	1.6499	0.7599	1.0845	-0.0057	1.8387
1099	32.5	32.7	0.3881	1.2517	0.0076	1.6475	0.7748	1.0737	-0.0035	1.845
1100	32.9	32.7	0.3881	1.2503	0.008	1.6464	0.7869	1.0584	-0.0015	1.8438
1101	33	32.8	0.3881	1.249	0.0079	1.6451	0.7933	1.0562	0.0002	1.8497

1102	32.1	33	0.3881	1.2482	0.0076	1.6439	0.8087	1.0472	-0.0001	1.856
1103	32.8	33	0.3878	1.2465	0.0078	1.6421	0.8198	1.0371	-0.0019	1.8551
1104	33.1	33.2	0.3878	1.2454	0.0078	1.641	0.8383	1.0356	-0.0056	1.8683
1105	35.4	33.4	0.3868	1.2449	0.0078	1.6395	0.8574	1.0262	-0.0004	1.8832
1106	32.8	33.6	0.3855	1.2453	0.0077	1.6385	0.8592	1.0299	-0.0019	1.8873
1107	33.9	33.6	0.3829	1.2443	0.0077	1.6349	0.8618	1.0224	0.0022	1.8863
1108	31.6	33.8	0.3814	1.2441	0.0077	1.6332	0.8726	1.0267	0.0065	1.9058
1109	32.9	34	0.3801	1.2435	0.0075	1.6311	0.8723	1.0346	0.0107	1.9176
1110	34	34.1	0.3786	1.2434	0.0077	1.6297	0.8694	1.0445	0.0138	1.9277
1111	33.9	34.3	0.3778	1.243	0.008	1.6288	0.8601	1.0551	0.0078	1.923
1112	34.3	34.5	0.3765	1.2418	0.0083	1.6266	0.8594	1.0644	0.0079	1.9317
1113	35.3	34.7	0.3754	1.2406	0.0086	1.6246	0.8576	1.0686	0.0095	1.9357
1114	35.8	34.9	0.3745	1.2397	0.0084	1.6226	0.8521	1.0738	0.002	1.9279
1115	35.2	34.9	0.3742	1.2388	0.0079	1.6209	0.8474	1.0874	-0.0056	1.9293
1116	34.5	35	0.374	1.2372	0.0072	1.6184	0.85	1.0944	-0.0062	1.9382
1117	35.7	35.1	0.3738	1.2343	0.0076	1.6157	0.8466	1.0853	-0.0086	1.9233
1118	36.4	35.4	0.3731	1.234	0.0078	1.6149	0.8345	1.0609	-0.0119	1.8835
1119	36.1	35.4	0.3723	1.2321	0.0077	1.612	0.8362	1.0916	-0.0111	1.9166
1120	35.3	35.5	0.3712	1.2317	0.0075	1.6105	0.8386	1.0641	-0.0126	1.8901
1121	36.4	35.5	0.3703	1.2305	0.0076	1.6084	0.8255	1.0651	-0.0077	1.883
1122	36.8	35.5	0.3692	1.2291	0.0077	1.606	0.8184	1.0712	-0.0017	1.8878
1123	36.7	35.4	0.3675	1.2267	0.0081	1.6023	0.8189	1.0725	0.0012	1.8925
1124	36.2	35.4	0.3661	1.2253	0.0082	1.5996	0.8234	1.0714	0.002	1.8969
1125	34.8	35.4	0.3648	1.225	0.008	1.5978	0.827	1.0723	-0.0034	1.8959
1126	35	35.5	0.3645	1.224	0.0077	1.5963	0.8303	1.0821	-0.0032	1.9091
1127	36.6	35.6	0.3646	1.2224	0.0077	1.5947	0.8326	1.0912	-0.0013	1.9224
1128	34.2	35.7	0.3638	1.2218	0.0076	1.5932	0.8329	1.0897	-0.0018	1.9208
1129	35.2	35.7	0.3634	1.2224	0.008	1.5938	0.8382	1.0759	-0.0003	1.9138
1130	34.8	35.8	0.363	1.2223	0.0079	1.5932	0.8438	1.0613	0.0084	1.9134
1131	33.6	35.9	0.3608	1.2213	0.0079	1.5899	0.8404	1.0653	0.0111	1.9168
1132	33.7	36.1	0.3594	1.2206	0.0081	1.5881	0.8532	1.0643	0.0151	1.9326
1133	35.2	36.2	0.3595	1.2185	0.0082	1.5863	0.8558	1.0672	0.018	1.941
1134	35.2	36.4	0.3611	1.2167	0.0084	1.5862	0.8704	1.0748	0.0225	1.9677
1135	36.7	36.5	0.3621	1.2136	0.0086	1.5843	0.8913	1.0876	0.0214	2.0003
1136	38.3	36.6	0.3621	1.2116	0.0087	1.5823	0.9046	1.1021	0.0241	2.0308
1137	37.1	36.6	0.3601	1.2102	0.0088	1.5791	0.9124	1.1021	0.026	2.0405
1138	37.1	36.7	0.3597	1.2088	0.009	1.5776	0.9092	1.1037	0.0234	2.0362

1139	37.7	36.9	0.3581	1.2085	0.0093	1.5759	0.8966	1.1042	0.0175	2.0184
1140	38.1	37.1	0.3579	1.2072	0.0094	1.5745	0.8981	1.0999	0.015	2.013
1141	39.9	37.3	0.3572	1.2072	0.0095	1.5739	0.8948	1.1048	0.0174	2.017
1142	38.8	37.5	0.3559	1.2076	0.0099	1.5733	0.9059	1.1019	0.0162	2.024
1143	39.5	37.8	0.3552	1.2058	0.0101	1.5712	0.9044	1.1102	0.0131	2.0277
1144	36.2	37.9	0.3556	1.2053	0.0099	1.5708	0.9017	1.1034	0.0068	2.012
1145	36.8	38	0.3557	1.2043	0.0097	1.5697	0.8978	1.13	0.0021	2.03
1146	36.8	38	0.3542	1.203	0.0098	1.567	0.9005	1.1238	-0.0084	2.016
1147	37	38.1	0.3522	1.2027	0.0096	1.5645	0.9009	1.1102	-0.0127	1.9985
1148	38.2	38.3	0.3494	1.2025	0.0092	1.561	0.8869	1.1128	-0.0089	1.9908
1149	38.4	38.3	0.3472	1.2021	0.0089	1.5583	0.8733	1.1097	-0.0035	1.9795
1150	38.2	38.4	0.3454	1.2009	0.0088	1.5552	0.8559	1.1051	-0.0025	1.9586
1151	38.1	38.4	0.3431	1.1995	0.009	1.5516	0.853	1.1026	0.0037	1.9593
1152	39.4	38.4	0.3418	1.1989	0.0088	1.5496	0.8632	1.1079	0.003	1.9741
1153	38.2	38.4	0.34	1.1984	0.009	1.5474	0.877	1.1208	-0.0006	1.9972
1154	38.5	38.7	0.3383	1.1976	0.0087	1.5446	0.8847	1.1118	0.0031	1.9996
1155	38.8	38.8	0.3378	1.1959	0.0088	1.5425	0.8956	1.1172	0.0049	2.0177
1156	38.9	39	0.3374	1.1948	0.0087	1.5409	0.8954	1.1256	0.0011	2.0221
1157	40.6	39.2	0.336	1.1933	0.0087	1.538	0.8861	1.1302	-0.0029	2.0134
1158	37.4	39.3	0.335	1.1918	0.0084	1.5352	0.8833	1.1301	0.0005	2.0138
1159	39.1	39.5	0.335	1.19	0.0081	1.5331	0.879	1.1333	-0.0049	2.0074
1160	39.9	39.5	0.3355	1.1878	0.0081	1.5314	0.8709	1.1493	-0.0095	2.0106
1161	38.5	39.6	0.3351	1.1866	0.0082	1.5298	0.8656	1.1615	-0.0111	2.0159
1162	40	39.5	0.3349	1.1854	0.0083	1.5286	0.8681	1.1678	-0.0086	2.0273
1163	41.7	39.5	0.3345	1.1841	0.0088	1.5275	0.8634	1.1705	-0.0016	2.0322
1164	40	39.6	0.3344	1.1824	0.0093	1.5261	0.8577	1.1691	0.0053	2.032
1165	40.9	39.5	0.334	1.1812	0.0095	1.5247	0.8669	1.1609	0.001	2.0289
1166	39.1	39.5	0.3337	1.1805	0.0099	1.5241	0.8736	1.1647	-0.0075	2.0309
1167	41.5	39.4	0.3342	1.1814	0.01	1.5255	0.8754	1.1621	-0.0155	2.0221
1168	40.7	39.6	0.3335	1.1779	0.0097	1.5211	0.9077	1.1377	-0.011	2.0343
1169	40	39.6	0.333	1.1784	0.0101	1.5215	1.2564	1.1297	-0.3349	2.0513
1170	39	39.7	0.3329	1.1777	0.0098	1.5204	1.2372	1.1256	-0.327	2.0357
1171	38.6	39.8	0.3326	1.1772	0.0096	1.5194	1.2213	1.1312	-0.3083	2.0441
1172	38.2	39.9	0.3313	1.1764	0.0095	1.5171	1.2133	1.1234	-0.305	2.0317
1173	39.1	39.9	0.33	1.1751	0.0093	1.5144	1.2097	1.1156	-0.3048	2.0206
1174	37.7	39.9	0.3288	1.174	0.0093	1.5121	1.1946	1.1089	-0.3029	2.0006
1175	38.5	40	0.3278	1.1726	0.0091	1.5095	1.1833	1.1056	-0.2992	1.9897

1176	39.5	40.1	0.3265	1.1711	0.009	1.5067	1.1766	1.1127	-0.2969	1.9924
1177	40.5	40.1	0.3245	1.1703	0.0091	1.5039	1.1782	1.114	-0.2999	1.9923
1178	39.3	40.1	0.3225	1.1697	0.009	1.5012	1.1785	1.1062	-0.2986	1.9861
1179	41	40.2	0.3211	1.1689	0.0084	1.4985	1.176	1.1078	-0.3009	1.9829
1180	40.8	40.4	0.3197	1.1675	0.0082	1.4953	1.1791	1.1225	-0.2964	2.0052
1181	41.7	40.5	0.3175	1.1658	0.0077	1.4911	1.1761	1.134	-0.2943	2.0158
1182	42	40.7	0.3168	1.1647	0.0075	1.4891	1.1614	1.1414	-0.2984	2.0044
1183	40	40.8	0.3154	1.1624	0.0072	1.4849	1.1641	1.1475	-0.2889	2.0227
1184	42.2	41	0.3138	1.1598	0.007	1.4806	1.1802	1.1407	-0.2898	2.031
1185	42.1	41.2	0.3121	1.1575	0.0064	1.4759	1.2164	1.14	-0.2986	2.0579
1186	41.1	41.3	0.3106	1.1567	0.0061	1.4733	1.2719	1.1217	-0.3343	2.0593
1187	40.6	41.3	0.3097	1.1558	0.0062	1.4717	1.2851	1.1048	-0.3329	2.057
1188	42.5	41.3	0.3095	1.1544	0.0063	1.4702	1.2761	1.0985	-0.3281	2.0466
1189	41.6	41.1	0.3088	1.153	0.0064	1.4682	1.2925	1.0936	-0.3348	2.0513
1190	41.9	41	0.3082	1.1519	0.0064	1.4664	1.2997	1.0958	-0.3474	2.048
1191	41.7	40.9	0.3065	1.1503	0.0065	1.4634	1.304	1.0991	-0.3486	2.0544
1192	41.3	40.7	0.3054	1.149	0.0064	1.4608	1.306	1.1112	-0.3486	2.0686
1193	40.9	40.7	0.3052	1.1468	0.007	1.459	1.2982	1.1282	-0.3416	2.0848
1194	41.4	40.6	0.3047	1.1442	0.0072	1.4561	1.2997	1.1245	-0.3391	2.0851
1195	42.2	40.5	0.3032	1.1435	0.008	1.4548	1.3065	1.129	-0.3407	2.0948
1196	40.5	40.4	0.3023	1.1433	0.0083	1.454	1.3118	1.1405	-0.3362	2.116
1197	38.6	40.4	0.3021	1.1424	0.0082	1.4527	1.3023	1.1415	-0.3339	2.11
1198	37.6	40.3	0.302	1.1419	0.008	1.4519	1.2946	1.1552	-0.3357	2.1141
1199	38.9	40.2	0.3025	1.1412	0.0079	1.4516	1.2736	1.1712	-0.3342	2.1106
1200	39.5	40.3	0.3028	1.14	0.0076	1.4505	1.2699	1.1742	-0.3398	2.1043
1201	39	40.3	0.3018	1.1382	0.0076	1.4477	1.2565	1.1668	-0.3427	2.0806
1202	39.1	40.3	0.3004	1.1361	0.0077	1.4442	1.2407	1.1583	-0.3401	2.0589
1203	40.1	40.3	0.2994	1.1353	0.0075	1.4422	1.2355	1.1744	-0.3417	2.0682
1204	40.8	40.4	0.2982	1.1337	0.0073	1.4393	1.2187	1.1799	-0.3434	2.0552
1205	40.4	40.4	0.2972	1.1324	0.0077	1.4373	1.2063	1.177	-0.351	2.0322
1206	38.8	40.6	0.2969	1.1323	0.008	1.4372	1.2091	1.165	-0.3493	2.0248
1207	41.2	40.7	0.2946	1.1313	0.0077	1.4335	1.2091	1.163	-0.351	2.0211
1208	40.3	41.1	0.2935	1.1307	0.0082	1.4324	1.1993	1.1549	-0.3541	2.0001
1209	43.3	41.2	0.293	1.1285	0.0085	1.43	1.1955	1.1486	-0.3518	1.9923
1210	42.6	41.5	0.2921	1.1273	0.0088	1.4281	1.2009	1.1366	-0.3532	1.9843
1211	41.6	41.7	0.291	1.1262	0.0089	1.4261	1.2198	1.136	-0.3536	2.0022
1212	40.9	41.9	0.2902	1.1248	0.0085	1.4234	1.2261	1.1338	-0.3527	2.0072

1213	42.3	42	0.2896	1.1237	0.0081	1.4214	1.239	1.1346	-0.3486	2.0251
1214	43.1	42.1	0.2878	1.1236	0.0083	1.4197	1.2438	1.1397	-0.3416	2.0419
1215	43.5	42.2	0.2869	1.1223	0.0086	1.4178	1.2487	1.1432	-0.3444	2.0475
1216	41.4	42.4	0.2865	1.121	0.0087	1.4162	1.2545	1.1446	-0.3486	2.0505
1217	43.5	42.5	0.283	1.1205	0.0087	1.4123	1.2591	1.1405	-0.3423	2.0572
1218	42.5	42.7	0.2475	1.121	0.0413	1.4098	1.2724	1.1572	-0.3385	2.0912
1219	44.2	42.8	0.2485	1.1195	0.0404	1.4084	1.2752	1.1271	-0.3418	2.0605
1220	43.4	42.9	0.2491	1.1186	0.0384	1.4061	1.276	1.1373	-0.3384	2.075
1221	42.7	42.9	0.249	1.1182	0.0381	1.4053	1.2904	1.1416	-0.344	2.088
1222	42.5	43.1	0.2483	1.1175	0.0382	1.404	1.2934	1.1528	-0.341	2.1053
1223	42.3	43.1	0.2481	1.1159	0.0383	1.4023	1.2923	1.1571	-0.342	2.1073
1224	41.9	43.2	0.2478	1.1147	0.0382	1.4006	1.2936	1.1624	-0.3421	2.1139
1225	42.7	43.2	0.2472	1.1137	0.0377	1.3986	1.3007	1.1752	-0.344	2.1319
1226	43	43.2	0.2467	1.1126	0.0377	1.397	1.2996	1.1832	-0.3477	2.1351
1227	43.5	43.2	0.2467	1.1118	0.0376	1.3961	1.2827	1.2002	-0.3515	2.1314
1228	45.2	43.1	0.2462	1.111	0.0377	1.3949	1.2547	1.2119	-0.3638	2.1028
1229	44.1	43	0.2455	1.1101	0.0376	1.3933	1.2362	1.2026	-0.3742	2.0647
1230	42	43	0.2454	1.1089	0.0373	1.3916	1.2293	1.1903	-0.3785	2.0411
1231	44.9	42.9	0.2446	1.1071	0.0377	1.3894	1.2167	1.1748	-0.3774	2.0141
1232	42.5	42.9	0.243	1.1058	0.037	1.3858	1.2081	1.1641	-0.3888	1.9833
1233	44.9	42.9	0.2415	1.1045	0.0372	1.3832	1.1996	1.1615	-0.3949	1.9663
1234	44	42.9	0.2395	1.1027	0.0382	1.3804	1.205	1.1439	-0.404	1.9449
1235	41.1	43	0.2349	1.1014	0.042	1.3784	1.2005	1.1354	-0.405	1.9309
1236	42.2	42.9	0.2336	1.1011	0.042	1.3766	1.1902	1.1128	-0.4064	1.8966
1237	42.2	42.9	0.2325	1.1003	0.0416	1.3744	1.1869	1.1128	-0.4057	1.894
1238	42	42.7	0.2305	1.0994	0.0425	1.3724	1.1994	1.1188	-0.4031	1.915
1239	43.2	42.6	0.2281	1.0989	0.0441	1.3711	1.2134	1.1103	-0.4012	1.9226
1240	41.5	42.6	0.2275	1.0973	0.0443	1.369	1.2245	1.107	-0.4016	1.9299
1241	41.2	42.5	0.2266	1.0961	0.0444	1.3671	1.2401	1.1113	-0.408	1.9433
1242	42.3	42.5	0.2261	1.0947	0.0441	1.3649	1.2424	1.1093	-0.4078	1.9439
1243	42.8	42.4	0.2253	1.0934	0.044	1.3627	1.254	1.1088	-0.4038	1.959
1244	44.7	42.2	0.225	1.0924	0.044	1.3614	1.2739	1.0995	-0.3969	1.9765
1245	41.2	42.3	0.2246	1.0903	0.0433	1.3581	1.284	1.0824	-0.3955	1.9709
1246	42.9	42.3	0.224	1.0889	0.0431	1.356	1.2806	1.1011	-0.3879	1.9938
1247	42.3	42.2	0.2227	1.0872	0.0432	1.3531	1.2781	1.1114	-0.3829	2.0067
1248	42.4	42.2	0.2221	1.0853	0.0426	1.35	1.2888	1.1125	-0.3836	2.0178
1249	41.8	42.2	0.2203	1.0847	0.0429	1.3478	1.2919	1.1278	-0.3878	2.0319

1250	42.2	42.1	0.2197	1.0842	0.0431	1.3471	1.309	1.1345	-0.3868	2.0568
1251	42.9	42	0.2191	1.0837	0.043	1.3457	1.324	1.1322	-0.389	2.0673
1252	41.8	42	0.2183	1.0815	0.043	1.3428	1.32	1.1347	-0.3932	2.0615
1253	41.4	41.9	0.2181	1.0805	0.0433	1.3419	1.3092	1.1275	-0.3944	2.0423
1254	42.5	41.7	0.2177	1.0799	0.0438	1.3414	1.3051	1.1354	-0.3996	2.0408
1255	41.7	41.6	0.2169	1.0794	0.0437	1.34	1.3115	1.1281	-0.405	2.0346
1256	41.1	41.4	0.2165	1.0785	0.0438	1.3388	1.3119	1.1292	-0.3976	2.0435
1257	41.7	41.4	0.2161	1.0778	0.0441	1.338	1.3219	1.1377	-0.3956	2.0639
1258	42.4	41.3	0.2155	1.077	0.0436	1.336	1.2981	1.1406	-0.3868	2.0519
1259	40.4	41.1	0.2149	1.0763	0.0434	1.3347	1.296	1.1394	-0.3735	2.0619
1260	39.7	40.9	0.2135	1.0742	0.0435	1.3312	1.2942	1.1261	-0.3659	2.0544
1261	42.1	40.8	0.2125	1.0732	0.0434	1.3291	1.2947	1.1268	-0.358	2.0635
1262	40.2	40.6	0.211	1.072	0.0431	1.326	1.2977	1.1298	-0.3556	2.0719
1263	40.5	40.6	0.2101	1.0701	0.043	1.3233	1.2971	1.139	-0.3588	2.0773
1264	39.7	40.5	0.2095	1.0681	0.0438	1.3214	1.2962	1.1441	-0.3587	2.0816
1265	40.5	40.5	0.2086	1.0667	0.0443	1.3196	1.2858	1.1618	-0.358	2.0896
1266	40.9	40.4	0.2078	1.0664	0.0442	1.3184	1.2821	1.1705	-0.3528	2.0998
1267	40.4	40.4	0.2069	1.0656	0.0438	1.3164	1.2858	1.167	-0.3465	2.1063
1268	38.8	40.4	0.206	1.0652	0.0439	1.3151	1.2563	1.174	-0.342	2.0883
1269	39.1	40.5	0.2054	1.0647	0.0439	1.314	0.9005	1.1922	-0.0196	2.0731
1270	40.6	40.6	0.2039	1.0636	0.0442	1.3116	0.9128	1.1871	-0.0295	2.0705
1271	38.3	40.5	0.2032	1.0619	0.0437	1.3089	0.9209	1.1981	-0.0548	2.0642
1272	41.2	40.5	0.2021	1.0607	0.0437	1.3064	0.9258	1.2131	-0.0541	2.0848
1273	41	40.6	0.2006	1.0589	0.0435	1.303	0.9221	1.2095	-0.0575	2.0741
1274	40.3	40.6	0.1987	1.0565	0.0437	1.2989	0.9311	1.203	-0.059	2.0751
1275	40.4	40.7	0.1978	1.0543	0.0439	1.296	0.9371	1.213	-0.0634	2.0868
1276	41.7	40.7	0.1982	1.0511	0.0442	1.2935	0.9365	1.2197	-0.0679	2.0883
1277	42.2	40.6	0.199	1.0491	0.0455	1.2936	0.9425	1.2143	-0.0656	2.0912
1278	42.7	40.7	0.1988	1.0494	0.0464	1.2947	0.9492	1.2209	-0.0642	2.1059
1279	41	40.8	0.1981	1.0499	0.0463	1.2943	0.9474	1.2228	-0.06	2.1102
1280	40.3	40.7	0.198	1.05	0.0459	1.2939	0.938	1.2335	-0.0591	2.1123
1281	40.8	40.8	0.1967	1.0494	0.0466	1.2927	0.9349	1.2381	-0.0611	2.1119
1282	40.6	40.7	0.1968	1.0486	0.047	1.2924	0.9338	1.2389	-0.0578	2.115
1283	40.7	40.6	0.1949	1.048	0.0476	1.2904	0.9207	1.2322	-0.0672	2.0857
1284	41.9	40.7	0.1938	1.0462	0.0475	1.2875	0.9153	1.2215	-0.0659	2.0709
1285	40.5	40.7	0.193	1.0462	0.047	1.2862	0.9005	1.2203	-0.0566	2.0642
1286	40.2	40.6	0.1919	1.0454	0.0467	1.2839	0.8716	1.2111	-0.0155	2.0672

1287	40.7	40.7	0.1898	1.044	0.0465	1.2802	0.8668	1.2278	-0.0096	2.085
1288	39.5	40.7	0.1881	1.0434	0.0465	1.278	0.8659	1.2223	-0.009	2.0793
1289	39.4	40.9	0.1863	1.0423	0.0466	1.2752	0.8497	1.2271	0.003	2.0797
1290	39.8	41	0.1842	1.0407	0.0472	1.2721	0.8275	1.2405	0.0188	2.0868
1291	39	41	0.1823	1.0394	0.0473	1.269	0.8211	1.2475	0.0222	2.0909
1292	40.4	41.1	0.18	1.0381	0.0468	1.2649	0.8119	1.2551	0.023	2.09
1293	41.6	41.1	0.1778	1.0368	0.0467	1.2613	0.8116	1.2581	0.0201	2.0898
1294	40	41.2	0.1763	1.0359	0.0468	1.259	0.8024	1.2562	0.0131	2.0716
1295	40.4	41.2	0.1752	1.0334	0.0468	1.2554	0.8002	1.249	0.0099	2.0591
1296	43.3	41.2	0.1745	1.0322	0.0466	1.2533	0.7958	1.2424	0.0028	2.0409
1297	43.2	41.2	0.1733	1.0311	0.0466	1.2509	0.8031	1.2344	0.0006	2.0381
1298	44.1	41.2	0.1728	1.0292	0.0467	1.2488	0.7893	1.2244	-0.0041	2.0096
1299	42.9	41.3	0.1716	1.0278	0.0465	1.2459	0.7839	1.2182	-0.0051	1.9971
1300	41.6	41.3	0.1704	1.0268	0.0465	1.2438	0.7729	1.2255	-0.0033	1.9951
1301	41.5	41.4	0.1698	1.0248	0.0469	1.2415	0.7719	1.2263	-0.0016	1.9966
1302	41.5	41.5	0.1695	1.0233	0.0471	1.2399	0.771	1.2317	-0.0022	2.0005
1303	42.7	41.5	0.1689	1.0218	0.0474	1.2381	0.7683	1.2161	-0.0015	1.9828
1304	40.7	41.5	0.1671	1.0209	0.0478	1.2358	0.7757	1.2246	0.0058	2.0061
1305	41.1	41.4	0.166	1.0194	0.0474	1.2329	0.7734	1.2301	0.0106	2.0141
1306	39.2	41.2	0.1647	1.0185	0.0475	1.2308	0.7719	1.2307	0.0096	2.0122
1307	40.7	41.1	0.1648	1.0172	0.0463	1.2283	0.7724	1.2358	0.0073	2.0155
1308	40.1	40.9	0.1639	1.0168	0.0455	1.2262	0.7773	1.2411	0.0079	2.0264
1309	41.1	40.8	0.1636	1.0159	0.0451	1.2246	1.1011	1.2364	0.0044	2.3418
1310	41	40.7	0.1626	1.0146	0.0446	1.2218	1.1493	1.2575	-0.3236	2.0832
1311	42.2	40.8	0.1612	1.0132	0.0444	1.2189	1.1231	1.2417	-0.3152	2.0496
1312	40.3	40.8	0.1604	1.0109	0.0443	1.2157	1.1133	1.2501	-0.314	2.0494
1313	40.1	40.7	0.16	1.0093	0.044	1.2133	1.1006	1.2463	-0.3222	2.0247
1314	40.2	40.7	0.1592	1.0074	0.0441	1.2107	1.077	1.2438	-0.31	2.0108
1315	39.5	40.8	0.1586	1.0053	0.0439	1.2078	1.0677	1.2397	-0.2938	2.0135
1316	40.3	40.9	0.1579	1.0043	0.0434	1.2056	1.0514	1.2348	-0.2749	2.0112
1317	41.1	40.9	0.1574	1.0031	0.0429	1.2034	1.0466	1.2457	-0.282	2.0103
1318	40.6	40.9	0.1574	1.0018	0.0432	1.2025	1.0598	1.2529	-0.299	2.0137
1319	40.2	40.9	0.1573	1.0008	0.0433	1.2014	1.06	1.2579	-0.3042	2.0137
1320	42.1	40.9	0.157	0.9988	0.0438	1.1997	1.0493	1.2585	-0.3128	1.995
1321	42.7	40.9	0.1564	0.9968	0.0435	1.1968	1.0478	1.2526	-0.3174	1.9831
1322	40.4	40.9	0.1561	0.9966	0.0439	1.1965	1.0662	1.2456	-0.3295	1.9822
1323	41.3	40.8	0.155	0.9956	0.0442	1.1948	1.0664	1.2524	-0.3323	1.9865

1324	41.9	40.8	0.154	0.9934	0.0445	1.192	1.0352	1.2485	-0.3122	1.9715
1325	41.7	41	0.1535	0.9917	0.0445	1.1897	1.0095	1.2293	-0.3043	1.9345
1326	40.6	41	0.1524	0.9912	0.0443	1.1879	0.9816	1.2187	-0.2824	1.9179
1327	40.5	41	0.1518	0.9897	0.044	1.1855	0.9804	1.2022	-0.2746	1.908
1328	41.2	41	0.1515	0.9888	0.0437	1.1839	0.9819	1.1893	-0.2625	1.9087
1329	41.2	41	0.1517	0.9868	0.0435	1.182	1.0008	1.203	-0.2774	1.9264
1330	41.6	40.9	0.1519	0.9851	0.0434	1.1804	1.0067	1.2123	-0.2906	1.9284
1331	40.4	40.8	0.1512	0.9832	0.0435	1.1779	1.0263	1.2248	-0.3055	1.9456
1332	38.7	40.9	0.1509	0.9826	0.0437	1.1773	1.0355	1.2424	-0.3186	1.9593
1333	40	40.9	0.1499	0.9823	0.0438	1.1761	1.0472	1.2398	-0.3287	1.9583
1334	42.7	41	0.1494	0.9807	0.0439	1.174	1.0283	1.2371	-0.326	1.9394
1335	39.6	41	0.1478	0.9803	0.0436	1.1717	1.231	1.2259	-0.5453	1.9117
1336	40.7	41	0.1469	0.9783	0.043	1.1681	1.3073	1.238	-0.6222	1.9231
1337	40.7	41	0.1459	0.9781	0.0425	1.1665	1.2799	1.2327	-0.6085	1.904
1338	40.6	40.9	0.1455	0.9767	0.0422	1.1645	1.2424	1.2347	-0.6018	1.8753
1339	40.8	40.8	0.1454	0.9749	0.0422	1.1624	1.2152	1.2333	-0.5939	1.8546
1340	41.2	40.7	0.1453	0.9725	0.042	1.1599	1.1689	1.2292	-0.5705	1.8276
1341	41.2	40.8	0.1455	0.9706	0.0421	1.1581	1.1436	1.233	-0.553	1.8236
1342	42.3	40.9	0.1449	0.9689	0.0421	1.1559	1.1425	1.2283	-0.5571	1.8137
1343	42.6	40.8	0.145	0.9678	0.0427	1.1555	1.1274	1.2279	-0.5656	1.7897
1344	42.3	40.7	0.145	0.9675	0.043	1.1555	1.1067	1.2332	-0.5651	1.7747
1345	41.2	40.7	0.145	0.966	0.043	1.154	1.1015	1.2346	-0.56	1.7762
1346	40.2	40.5	0.1437	0.9654	0.0431	1.1522	1.1068	1.218	-0.5656	1.7592
1347	38.2	40.3	0.1438	0.9647	0.0436	1.1521	1.0999	1.2157	-0.5648	1.7507
1348	39.4	40.1	0.1437	0.9635	0.0431	1.1503	1.0817	1.2249	-0.5505	1.7561
1349	40.6	39.8	0.143	0.9622	0.0432	1.1483	1.0765	1.233	-0.5359	1.7736
1350	42.6	39.6	0.1426	0.9616	0.0433	1.1474	1.0849	1.2349	-0.5357	1.7841
1351	39.8	39.4	0.142	0.9605	0.0432	1.1457	1.1079	1.2354	-0.5821	1.7611
1352	39	39.1	0.1415	0.9599	0.0432	1.1445	1.1147	1.2249	-0.5898	1.7498
1353	39.7	38.8	0.1405	0.958	0.0427	1.1413	1.1355	1.2249	-0.5999	1.7605
1354	39.2	38.6	0.1404	0.9569	0.0427	1.14	1.1456	1.217	-0.6166	1.746
1355	38.2	38.4	0.1397	0.9564	0.0428	1.1388	1.1199	1.2185	-0.6056	1.7328
1356	36.7	38.2	0.1393	0.9549	0.0431	1.1373	1.0998	1.2167	-0.6043	1.7122
1357	36.4	38.2	0.1383	0.9537	0.0433	1.1353	1.095	1.2204	-0.6071	1.7084
1358	35.4	38.2	0.1054	0.9533	0.0431	1.1018	1.1174	1.2138	-0.6378	1.6933
1359	36.8	38	0.1	0.9506	0.0758	1.1264	1.1302	1.2203	-0.6638	1.6867
1360	37.1	37.7	0.1012	0.95	0.075	1.1262	1.1441	1.2173	-0.6801	1.6812

1361	37.9	37.6	0.1012	0.9482	0.0748	1.1242	1.1431	1.2127	-0.6888	1.667
1362	35.8	37.6	0.1009	0.9473	0.0753	1.1236	1.1237	1.2088	-0.6866	1.646
1363	38.2	37.6	0.1024	0.9458	0.074	1.1222	1.1101	1.2028	-0.6823	1.6305
1364	37.4	37.6	0.1027	0.9441	0.0731	1.12	1.1173	1.1997	-0.6843	1.6326
1365	37.4	37.4	0.1034	0.9432	0.0718	1.1185	1.1	1.1844	-0.6708	1.6136
1366	38.5	37.4	0.1032	0.9419	0.0724	1.1174	1.0813	1.1726	-0.6588	1.5952
1367	38.1	37.5	0.101	0.9404	0.0737	1.1151	1.0543	1.1721	-0.6404	1.586
1368	37.2	37.6	0.1	0.9394	0.0743	1.1137	1.0545	1.1784	-0.6312	1.6017
1369	37.7	37.7	0.1005	0.9388	0.0752	1.1145	1.0655	1.181	-0.6255	1.6209
1370	38.5	37.6	0.0991	0.9383	0.0759	1.1133	1.0586	1.1819	-0.6143	1.6263
1371	39	37.5	0.0966	0.9374	0.0767	1.1107	1.0517	1.1682	-0.6006	1.6193
1372	38	37.5	0.0954	0.9354	0.0769	1.1077	1.0527	1.153	-0.6042	1.6016
1373	39.1	37.4	0.0971	0.9341	0.0747	1.1059	1.0436	1.1578	-0.5948	1.6066
1374	36	37.2	0.0978	0.9336	0.0741	1.1055	1.0095	1.1552	-0.5737	1.5909
1375	37	37.1	0.0996	0.9324	0.0721	1.1042	1.0103	1.1456	-0.582	1.5738
1376	37.3	37	0.1002	0.9309	0.0716	1.1027	1.018	1.1427	-0.595	1.5656
1377	37.9	36.9	0.1008	0.9302	0.0717	1.1027	1.0016	1.1551	-0.5999	1.5568
1378	37.4	36.9	0.0988	0.9291	0.0742	1.1021	1.0049	1.172	-0.6111	1.5659
1379	36	36.8	0.0975	0.9287	0.0753	1.1015	0.99	1.1729	-0.6075	1.5554
1380	35.2	36.7	0.0954	0.9275	0.0765	1.0994	0.9654	1.1638	-0.6004	1.5288
1381	36.2	36.6	0.0932	0.9252	0.0784	1.0968	0.9958	1.1474	-0.6232	1.5199
1382	35.9	36.5	0.0921	0.9246	0.0799	1.0966	1.0207	1.1359	-0.6373	1.5193
1383	34.1	36.5	0.092	0.9243	0.0802	1.0965	1.0264	1.1369	-0.6327	1.5306
1384	35.5	36.6	0.0707	0.9236	0.102	1.0963	1.0135	1.1446	-0.6231	1.5349
1385	37.1	36.7	0.0623	0.9224	0.1092	1.0939	1.0025	1.1461	-0.6082	1.5404
1386	36.7	36.7	0.0639	0.9221	0.1075	1.0935	0.964	1.1636	-0.5894	1.5382
1387	36.9	36.7	0.0655	0.9205	0.1067	1.0927	0.9419	1.1513	-0.5805	1.5128
1388	35	36.7	0.0666	0.9201	0.1058	1.0925	0.9159	1.1576	-0.5695	1.504
1389	37.8	36.8	0.0694	0.9194	0.1036	1.0924	0.9101	1.149	-0.5694	1.4898
1390	36.2	37	0.0698	0.9174	0.1025	1.0897	0.9088	1.1343	-0.5565	1.4866
1391	37	37	0.068	0.9166	0.103	1.0876	0.9085	1.1182	-0.5576	1.4691
1392	37.8	37.1	0.0673	0.9153	0.1033	1.0859	0.927	1.1029	-0.5722	1.4576
1393	38	37.2	0.0671	0.9135	0.1032	1.0838	0.9454	1.093	-0.5842	1.4542
1394	39.4	37.3	0.0662	0.9125	0.1028	1.0814	0.9658	1.0927	-0.587	1.4716
1395	38.2	37.3	0.0645	0.9116	0.1033	1.0795	0.9638	1.0988	-0.5773	1.4853
1396	37.1	37.3	0.0645	0.9106	0.1031	1.0782	0.973	1.1086	-0.5775	1.5041
1397	37.7	37.3	0.0651	0.9086	0.1016	1.0753	0.9745	1.1288	-0.5857	1.5176

1398	37.9	37.3	0.0652	0.9059	0.1003	1.0714	0.9759	1.1363	-0.5744	1.5378
1399	37.8	37.3	0.0631	0.9043	0.1001	1.0675	0.9734	1.1384	-0.5738	1.5381
1400	37.7	37.5	0.0596	0.9033	0.1047	1.0676	0.9623	1.14	-0.5618	1.5404
1401	36.4	37.5	0.0583	0.9023	0.1059	1.0665	0.9522	1.1448	-0.5461	1.5509
1402	36.2	37.3	0.0559	0.9008	0.1071	1.0639	0.9511	1.156	-0.5447	1.5623
1403	37.4	37.3	0.0543	0.9001	0.1091	1.0635	0.97	1.1567	-0.5523	1.5743
1404	37.6	37.1	0.0551	0.8991	0.1084	1.0625	0.9869	1.1483	-0.5848	1.5503
1405	36.8	37	0.0561	0.8978	0.1079	1.0617	0.9814	1.141	-0.5855	1.537
1406	36.2	36.9	0.0552	0.8965	0.1083	1.0599	0.9584	1.1413	-0.5834	1.5163
1407	36.3	36.8	0.053	0.8958	0.1101	1.059	0.9395	1.145	-0.5702	1.5143
1408	37.6	36.7	0.0509	0.8948	0.1119	1.0576	0.9279	1.1446	-0.5599	1.5126
1409	39.1	36.6	0.0491	0.8942	0.1131	1.0564	0.5764	1.1514	-0.5367	1.1911
1410	37.3	36.5	0.0483	0.8933	0.1135	1.0551	0.5232	1.126	-0.2116	1.4376
1411	34.4	36.5	0.0488	0.8924	0.1131	1.0543	0.5411	1.1295	-0.2185	1.4521
1412	37.4	36.5	0.0494	0.8906	0.1126	1.0526	0.5433	1.1208	-0.2158	1.4483
1413	35.5	36.4	0.0483	0.8893	0.1124	1.05	0.5391	1.1279	-0.21	1.457
1414	35.8	36.3	0.0492	0.889	0.1112	1.0494	0.5521	1.1265	-0.2203	1.4583
1415	35.8	36.3	0.0505	0.888	0.1098	1.0483	0.5418	1.1222	-0.2176	1.4464
1416	36.8	36.2	0.0525	0.8871	0.1074	1.047	0.5368	1.1271	-0.2275	1.4364
1417	35.4	36.3	0.0519	0.8853	0.106	1.0433	0.5236	1.1191	-0.2196	1.4231
1418	35.9	36.2	0.0509	0.8837	0.1058	1.0404	0.4782	1.1104	-0.189	1.3996
1419	36.1	36.1	0.0514	0.8826	0.1047	1.0388	0.4755	1.1027	-0.192	1.3862
1420	36.3	36	0.0519	0.882	0.1039	1.0378	0.5096	1.0903	-0.216	1.3839
1421	35.9	36.1	0.0511	0.8815	0.1039	1.0366	0.4947	1.1022	-0.2087	1.3882
1422	34.9	36.1	0.0517	0.8808	0.1034	1.0359	0.4692	1.1114	-0.2074	1.3733
1423	35.5	36.2	0.054	0.88	0.1016	1.0357	0.4692	1.0945	-0.2138	1.35
1424	36.9	36.4	0.053	0.8789	0.1027	1.0346	0.4929	1.0895	-0.2387	1.3437
1425	35.6	36.4	0.0517	0.8775	0.104	1.0332	0.4972	1.0926	-0.2589	1.331
1426	37.3	36.4	0.0523	0.8757	0.1043	1.0322	0.5199	1.0771	-0.2893	1.3077
1427	36.3	36.5	0.0513	0.8725	0.1051	1.0289	0.5365	1.0567	-0.2982	1.295
1428	36.6	36.5	0.0525	0.8715	0.1045	1.0284	0.5455	1.0488	-0.2967	1.2976
1429	36.1	36.4	0.0552	0.8704	0.1036	1.0292	0.5255	1.0391	-0.2705	1.2941
1430	35.8	36.4	0.0523	0.8704	0.1058	1.0284	0.5245	1.0474	-0.2639	1.308
1431	37.5	36.5	0.0492	0.8696	0.1072	1.026	0.5124	1.0498	-0.2609	1.3013
1432	37.8	36.5	0.0483	0.8689	0.107	1.0242	0.4997	1.033	-0.2424	1.2904
1433	38.6	36.5	0.0486	0.8679	0.1061	1.0226	0.4863	1.0482	-0.2222	1.3123
1434	36.5	36.4	0.0492	0.8661	0.1047	1.0199	0.4958	1.0638	-0.2103	1.3493

1435	37.4	36.4	0.0514	0.864	0.1025	1.0179	0.2839	1.0716	0.0221	1.3776
1436	36.8	36.2	0.0527	0.8632	0.101	1.0169	0.2018	1.0783	0.1015	1.3816
1437	36.4	36.1	0.0543	0.8623	0.0995	1.0161	0.2196	1.0977	0.0865	1.4038
1438	33.8	36	0.0545	0.8618	0.0992	1.0155	0.2454	1.1031	0.0732	1.4217
1439	36.4	36	0.0545	0.8614	0.0979	1.0138	0.2593	1.1244	0.0531	1.4369
1440	37.2	35.9	0.0545	0.8607	0.0978	1.013	0.2883	1.1354	0.0042	1.4279
1441	35.5	35.7	0.0528	0.8603	0.0993	1.0123	0.3053	1.1355	-0.027	1.4138
1442	34.9	35.5	0.0504	0.8596	0.1005	1.0105	0.3201	1.136	-0.0415	1.4146
1443	34.3	35.2	0.0484	0.8585	0.1014	1.0083	0.3426	1.1313	-0.0692	1.4047
1444	35.6	34.9	0.0486	0.8576	0.1007	1.0069	0.3635	1.1255	-0.0892	1.3998
1445	34.5	34.8	0.0477	0.8552	0.1007	1.0036	0.3601	1.1199	-0.1071	1.3729
1446	34.3	34.7	0.0462	0.8526	0.1017	1.0004	0.3571	1.1236	-0.1049	1.3757
1447	34.8	34.5	0.0462	0.8511	0.101	0.9983	0.3667	1.1169	-0.1111	1.3725
1448	35.1	34.5	0.0463	0.8497	0.1005	0.9965	0.3719	1.1034	-0.1256	1.3496
1449	34.5	34.3	0.0467	0.8482	0.0994	0.9943	0.3804	1.0695	-0.1413	1.3086
1450	33.3	34.1	0.0473	0.8471	0.0979	0.9924	0.3498	1.0448	-0.1427	1.2519
1451	34.3	34	0.0469	0.8449	0.0977	0.9894	0.2905	1.0316	-0.0833	1.2389
1452	32.7	33.8	0.0445	0.8442	0.0984	0.9871	0.257	1.0254	-0.0532	1.2292
1453	31.5	33.7	0.0418	0.8432	0.1012	0.9862	0.207	1.0217	-0.0144	1.2143
1454	34.7	33.5	0.0422	0.8428	0.1013	0.9863	0.1577	1.0239	0.0481	1.2297
1455	34.8	33.3	0.0438	0.8422	0.1011	0.9872	0.1189	1.018	0.0928	1.2297
1456	33.1	33.2	0.0453	0.8404	0.1001	0.9858	0.109	1.0133	0.1065	1.2288
1457	33.7	33.2	0.0455	0.8393	0.0993	0.9841	0.1216	1.0127	0.0874	1.2217
1458	33.7	33.1	0.0477	0.8382	0.0968	0.9827	0.1102	1.0155	0.1024	1.2281
1459	33.2	33	0.0477	0.838	0.0969	0.9826	0.0665	1.0097	0.1472	1.2234
1460	32.4	33	0.0471	0.8371	0.0969	0.981	0.0455	1.004	0.1729	1.2224
1461	32.3	32.9	0.0468	0.8361	0.0964	0.9793	0.0571	0.9989	0.1717	1.2277
1462	31.5	32.9	0.047	0.8346	0.0963	0.9779	0.105	1.0001	0.1469	1.252
1463	31.4	33	0.0472	0.8331	0.096	0.9764	0.1382	0.9807	0.1302	1.2492
1464	31	32.8	0.0486	0.8319	0.0949	0.9754	0.1245	0.9826	0.128	1.2352
1465	33.1	32.8	0.0497	0.8305	0.0946	0.9749	0.1353	0.9978	0.1184	1.2514
1466	34.1	32.8	0.0508	0.8299	0.0943	0.9751	0.1395	1.0068	0.1134	1.2597
1467	33.6	32.8	0.0531	0.8293	0.0926	0.9751	0.1506	1.0208	0.0933	1.2647
1468	32.8	32.7	0.0524	0.8292	0.0935	0.9751	0.1491	1.0123	0.0831	1.2445
1469	33.6	32.6	0.0495	0.8298	0.0968	0.9761	0.14	1.01	0.0853	1.2354
1470	32.7	32.6	0.0496	0.8281	0.0968	0.9745	0.1477	1.0078	0.08	1.2356
1471	32.3	32.6	0.0497	0.8262	0.0974	0.9733	0.174	1.003	0.0603	1.2373

1472	32.1	32.7	0.0485	0.826	0.0983	0.9727	0.1774	1.0099	0.0573	1.2447
1473	32.6	32.8	0.0478	0.8251	0.0986	0.9715	0.1836	1.0116	0.0526	1.2478
1474	33.1	32.8	0.048	0.8243	0.1	0.9724	0.2109	1.0122	0.0321	1.2552
1475	34.3	32.8	0.0476	0.8247	0.1011	0.9734	0.2054	1.0186	0.0371	1.261
1476	33.5	32.7	0.0465	0.8252	0.1015	0.9732	0.1996	1.0227	0.0437	1.266
1477	32.2	32.7	0.0462	0.8253	0.1014	0.973	0.2064	1.0151	0.0411	1.2626
1478	31.4	32.7	0.0462	0.8252	0.1012	0.9727	0.2067	1.005	0.0403	1.2521
1479	31.7	32.7	0.045	0.8239	0.1017	0.9707	0.2324	1.0116	0.0232	1.2672
1480	33.2	32.9	0.0441	0.8225	0.1026	0.9692	0.2655	1.0064	0.0056	1.2775
1481	32.1	33	0.0432	0.8219	0.1027	0.9678	0.2542	1.0125	0.0192	1.2859
1482	33.3	33.2	0.0435	0.8198	0.1021	0.9654	0.2192	1.013	0.042	1.2742
1483	32.5	33.3	0.0425	0.8179	0.1012	0.9616	0.2095	1.0166	0.0422	1.2683
1484	31.8	33.2	0.0423	0.8165	0.0998	0.9586	0.2314	1.0171	0.022	1.2704
1485	33.4	33.2	0.0421	0.8146	0.0991	0.9558	0.2264	1.0156	0.0154	1.2574
1486	33.4	33.2	0.0419	0.8123	0.0989	0.9531	0.2155	1.0022	0.0173	1.2351
1487	32.8	33.4	0.041	0.8102	0.0994	0.9505	0.2281	1.0121	0.0156	1.2558
1488	33.8	33.5	0.0407	0.8076	0.1005	0.9488	0.2548	1.0128	0	1.2677
1489	35.2	33.5	0.0406	0.8059	0.1032	0.9496	0.2507	1.03	0.0062	1.2869
1490	35	33.4	0.0393	0.8039	0.1052	0.9484	0.2475	1.0296	-0.0054	1.2717
1491	35.6	33.4	0.036	0.803	0.1071	0.9461	0.2569	1.0328	-0.0176	1.2721
1492	33.7	33.2	0.033	0.8022	0.1103	0.9454	0.2631	1.0342	-0.0253	1.272
1493	31.9	33	0.0308	0.8009	0.1121	0.9439	0.2605	1.0317	-0.0333	1.2589
1494	33.9	32.9	0.0302	0.8005	0.1135	0.9441	0.2491	1.0248	-0.0308	1.2431
1495	34.9	32.7	0.0288	0.7993	0.1138	0.9419	0.2554	1.0162	-0.0348	1.2369
1496	34.5	32.6	0.0279	0.7989	0.1142	0.941	0.2405	0.9974	-0.027	1.2109
1497	34	32.5	0.0279	0.7983	0.1142	0.9404	0.2072	0.9743	0.0076	1.189
1498	31.1	32.5	0.0272	0.7989	0.1145	0.9405	0.2146	0.9599	0.0053	1.1798
1499	31.3	32.3	0.0282	0.7998	0.1144	0.9423	0.209	0.9508	0.0051	1.1649
1500	32	32.1	0.0306	0.8001	0.1131	0.9438	0.209	0.9375	0.0017	1.1483
1501	30	31.9	0.0326	0.7997	0.1112	0.9436	0.2284	0.9309	-0.0141	1.1452
1502	29.1	31.8	0.0352	0.7987	0.1086	0.9424	0.2117	0.9361	-0.0104	1.1374
1503	29.7	31.9	0.0385	0.7977	0.1043	0.9405	0.1782	0.9526	-0.0032	1.1277
1504	30.2	31.8	0.0432	0.7973	0.0991	0.9396	0.1467	0.9629	0.023	1.1326
1505	31	31.7	0.0452	0.7964	0.0972	0.9388	0.1735	0.96	0.0143	1.1478
1506	31.5	31.6	0.0431	0.7952	0.0995	0.9378	0.2033	0.9562	0.0035	1.1629
1507	32.4	31.7	0.042	0.7943	0.0999	0.9362	0.202	0.9621	-0.0093	1.1548
1508	31.5	31.7	0.0443	0.7938	0.0972	0.9352	0.1997	0.9668	-0.0177	1.1489

1509	31.5	31.8	0.0446	0.7938	0.0958	0.9342	0.2234	0.9707	-0.0369	1.1572
1510	32.4	31.9	0.0426	0.7934	0.0963	0.9323	0.212	0.9871	-0.0264	1.1727
1511	31.9	32.1	0.0383	0.7923	0.0984	0.9291	0.1922	1.0034	-0.0201	1.1755
1512	33.3	32.3	0.0356	0.7926	0.0995	0.9277	0.1809	1.0007	-0.0201	1.1615
1513	32.5	32.6	0.0358	0.7911	0.0996	0.9265	0.1918	0.9887	-0.0316	1.1488
1514	32.5	32.8	0.0357	0.7892	0.0993	0.9242	0.1905	0.9909	-0.0428	1.1385
1515	33.3	32.9	0.0366	0.7874	0.0984	0.9224	0.193	0.9888	-0.0429	1.1389
1516	34.5	32.9	0.0374	0.785	0.0981	0.9205	0.1954	0.9809	-0.0325	1.1437
1517	32.3	32.9	0.037	0.7841	0.0977	0.9188	0.203	0.9798	-0.0289	1.154
1518	33.3	32.9	0.0369	0.7827	0.0973	0.9168	0.2133	0.9776	-0.0344	1.1564
1519	32.8	32.9	0.0366	0.7819	0.0967	0.9152	0.1911	0.9882	-0.0201	1.1592
1520	33.3	32.9	0.0344	0.7817	0.0979	0.914	0.1653	1.0022	0.005	1.1725
1521	33.3	32.8	0.0334	0.7806	0.0982	0.9121	0.1968	0.9935	-0.0212	1.1691
1522	35	32.7	0.0334	0.7796	0.0981	0.9111	0.2535	0.9791	-0.0414	1.1912
1523	34	32.5	0.0329	0.7788	0.0984	0.9102	0.2822	0.9662	-0.0604	1.1879
1524	33.7	32.5	0.0325	0.777	0.099	0.9085	0.2863	0.9727	-0.0777	1.1813
1525	32.3	32.3	0.0318	0.7752	0.0996	0.9066	0.2929	0.9812	-0.0729	1.2012
1526	32	32.1	0.0316	0.7742	0.1002	0.906	0.2821	0.9842	-0.0512	1.215
1527	31.7	32.1	0.0307	0.772	0.101	0.9037	0.263	0.9934	-0.0341	1.2223
1528	30.7	31.9	0.0292	0.7703	0.1021	0.9017	0.2315	0.9987	-0.0115	1.2187
1529	32.1	31.8	0.0286	0.7698	0.103	0.9014	0.2148	0.9892	0.0142	1.2183
1530	31.4	31.6	0.0269	0.7691	0.1038	0.8998	0.1894	0.9709	0.0461	1.2064
1531	30.5	31.3	0.0272	0.7683	0.103	0.8986	0.1823	0.9589	0.0621	1.2034
1532	29.4	31.1	0.0273	0.7672	0.1028	0.8974	0.1655	0.9613	0.0684	1.1952
1533	31	30.8	0.0254	0.7662	0.1039	0.8955	0.1631	0.9569	0.0645	1.1845
1534	30.2	30.7	0.0265	0.7645	0.1032	0.8942	0.1662	0.939	0.0509	1.1561
1535	31.7	30.5	0.0298	0.7637	0.1008	0.8944	0.1895	0.9249	0.032	1.1464
1536	31.3	30.5	0.0299	0.762	0.0994	0.8913	0.1992	0.9164	0.0283	1.1438
1537	29.9	30.3	0.0288	0.761	0.0995	0.8893	0.1995	0.916	0.0325	1.148
1538	30.2	30.3	0.0294	0.7588	0.0985	0.8868	0.202	0.9146	0.0387	1.1554
1539	29.3	30.3	0.0297	0.7585	0.0984	0.8866	0.2003	0.8974	0.0462	1.1439
1540	28.9	30.2	0.0288	0.7574	0.0996	0.8858	0.1954	0.9022	0.0763	1.1739
1541	29.6	30.1	0.0264	0.7568	0.1018	0.8851	0.1661	0.8916	0.1107	1.1684
1542	30.1	30.1	0.0243	0.7565	0.1038	0.8846	0.1128	0.9003	0.1324	1.1455
1543	30.1	30	0.0235	0.756	0.1045	0.884	0.0692	0.9054	0.1631	1.1376
1544	29.6	30	0.0231	0.756	0.1042	0.8832	0.0362	0.8952	0.1742	1.1056
1545	30.9	30	0.0236	0.7554	0.1035	0.8825	0.0363	0.8844	0.1698	1.0906

1546	29.4	30	0.0255	0.7551	0.1009	0.8815	0.0086	0.8748	0.1695	1.0528
1547	30.9	30	0.0247	0.7551	0.1005	0.8803	-0.0029	0.8799	0.156	1.033
1548	30.8	30	0.0254	0.7546	0.1	0.88	-0.0005	0.875	0.142	1.0165
1549	30	30.1	0.0258	0.7544	0.0992	0.8795	-0.003	0.8832	0.133	1.0133
1550	28.5	30.3	0.0245	0.754	0.0993	0.8778	0.0142	0.9041	0.1221	1.0405
1551	29.6	30.4	0.0257	0.7513	0.0987	0.8757	0.0387	0.9142	0.1057	1.0586
1552	29.2	30.5	0.0267	0.749	0.0987	0.8743	0.0623	0.9032	0.0867	1.0522
1553	30.4	30.5	0.0272	0.7469	0.0989	0.873	0.0732	0.9065	0.0712	1.0509
1554	30.7	30.6	0.0249	0.7468	0.0999	0.8715	0.1139	0.8982	0.0326	1.0447
1555	31.1	30.6	0.0235	0.7466	0.1008	0.8709	0.143	0.9219	-0.0195	1.0454
1556	30.4	30.7	0.0251	0.7442	0.101	0.8704	0.1595	0.9245	-0.0117	1.0722
1557	31.3	30.6	0.0256	0.7426	0.101	0.8692	0.1289	0.9238	0.0236	1.0763
1558	31.1	30.5	0.0254	0.7411	0.1005	0.867	0.129	0.9257	0.0374	1.092
1559	31.5	30.5	0.0265	0.7393	0.0996	0.8653	0.1486	0.945	0.0222	1.1158
1560	31.9	30.7	0.0278	0.7367	0.0989	0.8634	0.1452	0.9615	0.0164	1.1231
1561	32.7	30.6	0.0288	0.736	0.0984	0.8632	0.1191	0.9714	0.0228	1.1133
1562	29.8	30.7	0.0278	0.7357	0.0995	0.863	0.0723	0.9844	0.0481	1.1048
1563	30.9	30.7	0.0282	0.734	0.1003	0.8625	0.0468	0.9992	0.0654	1.1114
1564	31.4	30.7	0.0293	0.733	0.0992	0.8615	0.0428	1.0067	0.0666	1.1161
1565	31.6	30.6	0.0302	0.7324	0.0978	0.8605	0.0379	0.9996	0.0717	1.1092
1566	29	30.6	0.0305	0.732	0.0972	0.8597	0.0442	0.9988	0.0645	1.1076
1567	28.9	30.5	0.0318	0.7316	0.0961	0.8595	0.0565	1.0033	0.0562	1.1161
1568	30.3	30.5	0.0333	0.7303	0.0955	0.8592	0.0466	1.0248	0.0522	1.1236
1569	30.8	30.4	0.033	0.7296	0.0963	0.8588	0.0443	1.0179	0.0529	1.115
1570	29.4	30.3	0.0299	0.7287	0.0989	0.8576	0.0249	1.0436	0.0536	1.122
1571	30.1	30.1	0.0244	0.7283	0.1015	0.8542	0.0219	1.028	0.068	1.118
1572	30.6	30.2	0.0203	0.7294	0.1043	0.8539	0.001	1.0298	0.0739	1.1047
1573	29.8	30.1	0.0192	0.7278	0.1064	0.8534	0.0116	1.0333	0.0594	1.1043
1574	30.3	30	0.0188	0.7262	0.1073	0.8522	0.0352	1.0299	0.0408	1.1059
1575	29.3	29.9	0.0194	0.7263	0.1062	0.8519	0.1744	0.9429	0.0229	1.1403
1576	30.5	29.9	0.0202	0.7259	0.1049	0.851	0.4484	0.8428	-0.1645	1.1267
1577	30.7	29.9	0.0231	0.7255	0.1025	0.8511	0.5624	0.8431	-0.3158	1.0898
1578	29.4	29.9	0.0247	0.7263	0.0998	0.8508	0.5476	0.83	-0.2961	1.0815
1579	30.5	29.9	0.0261	0.7269	0.0971	0.8501	0.5304	0.8169	-0.2846	1.0627
1580	29.6	29.9	0.0259	0.7266	0.0964	0.8489	0.5258	0.8231	-0.276	1.0729
1581	30	30	0.0267	0.7257	0.0958	0.8482	0.5126	0.8331	-0.2702	1.0754
1582	30.2	30	0.0272	0.7241	0.0957	0.8469	0.4965	0.8379	-0.2724	1.0621

1583	28.8	30	0.0258	0.724	0.0961	0.846	0.4952	0.8347	-0.274	1.056
1584	29.3	30	0.0233	0.724	0.0966	0.8439	0.4778	0.8351	-0.2594	1.0536
1585	29.6	30	0.0222	0.7229	0.0962	0.8414	0.5111	0.8323	-0.2823	1.0612
1586	29.5	30.1	0.022	0.7207	0.0956	0.8383	0.546	0.8322	-0.313	1.0653
1587	30	30.1	0.0208	0.7187	0.0955	0.835	0.5271	0.8178	-0.3086	1.0364
1588	30.5	30.1	0.0206	0.7179	0.0959	0.8344	0.5069	0.8121	-0.2972	1.0219
1589	30.3	30.1	0.0211	0.7156	0.0956	0.8323	0.5507	0.7999	-0.3228	1.0278
1590	30.6	30.2	0.0227	0.7147	0.0941	0.8315	0.5653	0.8121	-0.3373	1.0401
1591	30.4	30.2	0.0248	0.7129	0.0939	0.8316	0.5568	0.8163	-0.3341	1.0391
1592	30.4	30.3	0.0261	0.7117	0.0939	0.8317	0.5384	0.8148	-0.3182	1.035
1593	30.2	30.3	0.0272	0.7114	0.0947	0.8333	0.5338	0.8067	-0.3058	1.0346
1594	30.5	30.4	0.0265	0.712	0.0965	0.8351	0.5289	0.8117	-0.2997	1.0409
1595	30.8	30.4	0.0279	0.7118	0.0969	0.8366	0.5148	0.8208	-0.2914	1.0441
1596	31	30.4	0.0282	0.711	0.0986	0.8377	0.489	0.8243	-0.2877	1.0257
1597	30.2	30.4	0.028	0.7108	0.1	0.8387	0.4905	0.8308	-0.2967	1.0246
1598	30.8	30.4	0.0275	0.7106	0.1012	0.8392	0.4858	0.8437	-0.3189	1.0106
1599	31	30.3	0.0267	0.7094	0.1022	0.8383	0.4744	0.831	-0.324	0.9814
1600	30.5	30.3	0.0267	0.7087	0.1025	0.8379	0.4808	0.8386	-0.3403	0.9792
1601	30.6	30.4	0.0264	0.7094	0.1026	0.8384	0.4667	0.83	-0.3457	0.951
1602	30.4	30.5	0.0279	0.708	0.1015	0.8374	0.4654	0.794	-0.3427	0.9167
1603	29.7	30.6	0.0271	0.7079	0.101	0.836	0.4746	0.7736	-0.334	0.9142
1604	29.7	30.7	0.0289	0.7051	0.101	0.835	0.4725	0.7557	-0.3267	0.9015
1605	29.9	30.8	0.0292	0.704	0.0984	0.8316	0.4302	0.7604	-0.2985	0.8921
1606	29.4	30.9	0.0302	0.7028	0.0972	0.8301	0.3901	0.7643	-0.2637	0.8907
1607	30.6	31	0.0291	0.7017	0.0961	0.827	0.3932	0.7426	-0.2515	0.8843
1608	29.6	31	0.0294	0.6993	0.095	0.8236	0.3957	0.7303	-0.2509	0.8751
1609	30.8	31	0.0301	0.6977	0.0942	0.8219	0.408	0.7204	-0.2656	0.8629
1610	31.1	31.1	0.0307	0.6963	0.094	0.821	0.4152	0.7139	-0.2711	0.8579
1611	31.8	31.1	0.0311	0.6939	0.0936	0.8186	0.4368	0.6893	-0.2847	0.8414
1612	32.7	31.3	0.0309	0.6926	0.093	0.8166	0.4586	0.6933	-0.2968	0.8551
1613	32.5	31.3	0.0315	0.6904	0.0929	0.8149	0.4569	0.7043	-0.293	0.8682
1614	33.5	31.3	0.0319	0.6892	0.0922	0.8133	0.4597	0.6931	-0.2845	0.8683
1615	31.7	31.4	0.0321	0.6875	0.092	0.8116	0.4705	0.6905	-0.288	0.873
1616	31.7	31.5	0.0318	0.6847	0.0924	0.8089	0.4889	0.6927	-0.3057	0.8759
1617	31.5	31.5	0.0324	0.6816	0.0925	0.8065	0.5122	0.69	-0.3248	0.8774
1618	31.1	31.5	0.0325	0.6809	0.092	0.8053	0.5524	0.6907	-0.3484	0.8947
1619	31.9	31.5	0.0341	0.6775	0.0914	0.803	0.6016	0.6823	-0.3761	0.9079

1620	32	31.4	0.0323	0.6789	0.0911	0.8022	0.6092	0.6793	-0.3725	0.916
1621	32.5	31.2	0.0333	0.6776	0.0908	0.8017	0.5674	0.6765	-0.3374	0.9065
1622	31.4	30.9	0.0322	0.6763	0.0922	0.8007	0.5112	0.6814	-0.3025	0.8901
1623	29.6	30.7	0.0294	0.6758	0.0943	0.7996	0.4499	0.7002	-0.2541	0.896
1624	31.3	30.5	0.015	0.6827	0.0967	0.7944	0.4227	0.7	-0.22	0.9027
1625	30.9	30.3	-0.0131	0.6909	0.1161	0.7939	0.4027	0.6969	-0.1933	0.9063
1626	30.6	30.1	-0.0246	0.6899	0.1318	0.797	0.3775	0.7107	-0.1861	0.9022
1627	29.8	30	-0.0241	0.689	0.1307	0.7955	0.3871	0.7282	-0.2069	0.9084
1628	30.5	29.9	-0.0238	0.6886	0.1306	0.7954	0.4569	0.7292	-0.2678	0.9183
1629	29.2	29.7	-0.024	0.6875	0.1306	0.7941	0.5144	0.7484	-0.3241	0.9387
1630	27.8	29.5	-0.0244	0.6858	0.1309	0.7923	0.5592	0.7499	-0.3795	0.9296
1631	28	29.3	-0.0224	0.6846	0.1302	0.7924	0.5697	0.7428	-0.3907	0.9217
1632	28.2	29.1	-0.0222	0.6838	0.1302	0.7918	0.565	0.7337	-0.3769	0.9219
1633	29	29.1	-0.0223	0.6827	0.1299	0.7902	0.5441	0.7229	-0.3523	0.9146
1634	29.2	28.9	-0.0246	0.6813	0.1314	0.7881	0.5352	0.7281	-0.35	0.9133
1635	27.3	28.7	-0.0248	0.6805	0.1321	0.7878	0.5001	0.7341	-0.3348	0.8995
1636	29.8	28.6	-0.0228	0.6802	0.1303	0.7877	0.4721	0.7367	-0.3271	0.8817
1637	28.4	28.5	-0.0219	0.6798	0.1292	0.7872	0.4679	0.7255	-0.3346	0.8588
1638	28.1	28.4	-0.0256	0.6788	0.1308	0.784	0.4768	0.7139	-0.3504	0.8403
1639	28.8	28.3	-0.0268	0.6773	0.1321	0.7826	0.4584	0.7069	-0.3287	0.8366
1640	28.6	28.3	-0.0269	0.6758	0.133	0.7819	0.4351	0.6825	-0.3139	0.8038
1641	28.2	28.2	-0.0274	0.6754	0.1336	0.7816	0.4403	0.669	-0.331	0.7784
1642	28.7	28.1	-0.0291	0.6758	0.1344	0.7811	0.4386	0.6506	-0.3216	0.7676
1643	28.3	28	-0.0294	0.6749	0.1344	0.7799	0.4388	0.654	-0.3113	0.7815
1644	27.5	27.9	-0.0284	0.6739	0.1333	0.7788	0.4494	0.6604	-0.3029	0.8069
1645	27.5	27.9	-0.0253	0.673	0.1322	0.7799	0.4426	0.6798	-0.2844	0.838
1646	28.2	27.7	-0.0236	0.672	0.1306	0.7791	0.4486	0.6946	-0.2762	0.8671
1647	28.2	27.6	-0.0238	0.6707	0.1324	0.7793	0.4385	0.695	-0.2495	0.8841
1648	27.5	27.6	-0.022	0.6715	0.1324	0.7819	0.4507	0.7025	-0.2375	0.9157
1649	27.8	27.6	-0.0222	0.6705	0.1332	0.7815	0.4515	0.7026	-0.2242	0.9299
1650	26.4	27.6	-0.0222	0.671	0.1339	0.7827	0.4384	0.6955	-0.2088	0.9252
1651	26.6	27.7	-0.0208	0.6719	0.133	0.784	0.4723	0.6996	-0.2255	0.9464
1652	26.7	27.7	-0.0208	0.6716	0.1321	0.7829	0.4956	0.7116	-0.2434	0.9638
1653	27.4	27.7	-0.0201	0.6713	0.1316	0.7828	0.5296	0.7034	-0.2714	0.9615
1654	26.7	27.8	-0.0182	0.6708	0.1297	0.7823	0.5253	0.7049	-0.2817	0.9485
1655	26.1	27.9	-0.0155	0.6702	0.1271	0.7818	0.5232	0.6797	-0.2798	0.9232
1656	27.8	28	-0.0142	0.67	0.1262	0.7819	0.5358	0.6668	-0.3213	0.8812

1657	27.8	28.1	-0.014	0.6696	0.1261	0.7817	0.5633	0.6634	-0.3469	0.8797
1658	29	28.2	-0.0154	0.6691	0.1271	0.7807	0.5577	0.6499	-0.3574	0.8503
1659	28.2	28.2	-0.015	0.6679	0.1267	0.7795	0.5492	0.628	-0.3585	0.8187
1660	29.5	28.4	-0.0158	0.6678	0.1273	0.7793	0.5472	0.6086	-0.3572	0.7986
1661	29	28.5	-0.0171	0.6667	0.1281	0.7777	0.5541	0.5945	-0.3584	0.7901
1662	28.9	28.6	-0.0179	0.6653	0.1288	0.7762	0.5636	0.5822	-0.3626	0.7831
1663	28.7	28.7	-0.0178	0.6647	0.1288	0.7757	0.5644	0.5767	-0.357	0.7841
1664	29.1	28.8	-0.0178	0.664	0.128	0.7742	0.5758	0.5602	-0.3586	0.7774
1665	30.8	29	-0.0187	0.6632	0.1284	0.7729	0.5976	0.5584	-0.3758	0.7802
1666	30.1	29.2	-0.0207	0.663	0.1297	0.7719	0.6152	0.5461	-0.3826	0.7787
1667	28.5	29.3	-0.0234	0.6625	0.1309	0.77	0.6205	0.5197	-0.3837	0.7564
1668	29	29.3	-0.0269	0.6621	0.1331	0.7684	0.6165	0.4945	-0.3737	0.7373
1669	29.3	29.3	-0.0279	0.6617	0.1335	0.7672	0.5977	0.511	-0.3582	0.7505
1670	29.1	29.3	-0.0268	0.6611	0.1326	0.7669	0.6161	0.4919	-0.3665	0.7415
1671	28.8	29.4	-0.0268	0.6602	0.1318	0.7652	0.5923	0.5052	-0.37	0.7274
1672	29.2	29.5	-0.0247	0.6594	0.1297	0.7643	0.591	0.4932	-0.3591	0.7251
1673	28.9	29.6	-0.0231	0.6578	0.1283	0.7631	0.5814	0.4808	-0.3391	0.7231
1674	30	29.6	-0.0215	0.6565	0.1266	0.7616	0.5573	0.4809	-0.3159	0.7222
1675	30.3	29.5	-0.0183	0.6552	0.1248	0.7617	0.4074	0.5667	-0.2886	0.6855
1676	31.1	29.5	-0.0185	0.6531	0.1256	0.7602	0.114	0.6625	-0.0929	0.6836
1677	27.7	29.6	-0.0226	0.6525	0.1293	0.7593	-0.0038	0.6649	0.0578	0.7189
1678	29.5	29.5	-0.0267	0.6515	0.1322	0.757	0.0024	0.6629	0.0342	0.6996
1679	29.5	29.4	-0.0298	0.6519	0.1351	0.7571	0.0335	0.6664	0.0101	0.71
1680	29.6	29.4	-0.0311	0.6524	0.1354	0.7567	0.0587	0.6559	-0.0278	0.6868
1681	30.8	29.3	-0.0298	0.6524	0.1335	0.7561	0.085	0.6354	-0.0368	0.6836
1682	30.5	29.2	-0.0272	0.6518	0.1309	0.7555	0.128	0.6245	-0.0608	0.6916
1683	30.7	29.1	-0.0277	0.6512	0.1311	0.7546	0.1482	0.6197	-0.0802	0.6877
1684	28.9	28.9	-0.0267	0.6506	0.1301	0.754	0.1544	0.6076	-0.0874	0.6746
1685	29.1	28.7	-0.025	0.6493	0.1289	0.7532	0.1272	0.5947	-0.0565	0.6655
1686	29.8	28.5	-0.0248	0.6482	0.1291	0.7524	0.1023	0.5949	-0.0224	0.6747
1687	28.2	28.4	-0.0269	0.6473	0.1305	0.751	0.0923	0.5986	-0.0251	0.6657
1688	27.7	28.3	-0.0252	0.6472	0.1288	0.7508	0.0897	0.6011	-0.0231	0.6676
1689	28.4	28.1	-0.0225	0.6474	0.1269	0.7519	0.052	0.5983	-0.0032	0.6472
1690	27.6	27.9	-0.0214	0.6478	0.1272	0.7537	0.0138	0.594	0.0338	0.6416
1691	27.4	27.8	-0.0191	0.6479	0.1261	0.7548	-0.0107	0.5862	0.0637	0.6392
1692	26.7	27.7	-0.0178	0.6463	0.1251	0.7535	-0.0179	0.584	0.0736	0.6397
1693	26.7	27.6	-0.0178	0.6454	0.125	0.7526	-0.0376	0.5911	0.0848	0.6384

1694	26	27.5	-0.0177	0.644	0.125	0.7513	-0.0197	0.5963	0.0645	0.6411
1695	26.8	27.6	-0.0169	0.6423	0.1245	0.7499	-0.0052	0.5918	0.0476	0.6341
1696	26.6	27.5	-0.0157	0.6415	0.1235	0.7493	0.0032	0.5849	0.0573	0.6455
1697	26.3	27.4	-0.0171	0.6405	0.1237	0.7472	-0.0037	0.5915	0.0617	0.6495
1698	26	27.4	-0.0177	0.6403	0.1236	0.7462	-0.0144	0.5895	0.0795	0.6547
1699	26.5	27.4	-0.0171	0.6398	0.123	0.7458	0.0056	0.6112	0.0743	0.6912
1700	28	27.4	-0.0205	0.6387	0.1251	0.7433	0.0096	0.6092	0.0784	0.6972
1701	28.2	27.4	-0.0232	0.6382	0.1269	0.742	0.025	0.6168	0.0702	0.712
1702	28.6	27.4	-0.0251	0.6377	0.1286	0.7412	0.0651	0.6292	0.0336	0.728
1703	28.5	27.5	-0.0254	0.6374	0.1292	0.7412	0.0943	0.6324	-0.0095	0.7173
1704	29.6	27.5	-0.0234	0.6371	0.129	0.7427	0.1218	0.6316	-0.0386	0.7148
1705	28.1	27.6	-0.0244	0.6373	0.1305	0.7435	0.1316	0.6299	-0.0538	0.7076
1706	27.5	27.6	-0.0261	0.6365	0.1318	0.7422	0.1507	0.6319	-0.0784	0.7042
1707	27.9	27.6	-0.0267	0.6367	0.1319	0.742	0.1474	0.637	-0.0893	0.6951
1708	27.4	27.7	-0.0255	0.6365	0.1308	0.7418	0.1461	0.6465	-0.085	0.7077
1709	27.4	27.8	-0.0246	0.6368	0.1299	0.742	0.126	0.6474	-0.0744	0.699
1710	27.1	27.8	-0.0247	0.6368	0.1298	0.7419	0.1334	0.6413	-0.0928	0.6819
1711	27.6	27.8	-0.0252	0.6357	0.1298	0.7403	0.0999	0.6589	-0.0678	0.691
1712	27.9	27.8	-0.0255	0.635	0.1287	0.7382	0.1109	0.6446	-0.0817	0.6738
1713	27.5	27.8	-0.0261	0.6344	0.1288	0.7371	0.1308	0.6405	-0.0845	0.6868
1714	26.9	27.8	-0.0279	0.6334	0.1298	0.7353	0.1348	0.6408	-0.078	0.6976
1715	26.7	27.9	-0.0294	0.6329	0.1302	0.7337	0.1268	0.6352	-0.0641	0.6979
1716	27.3	27.9	-0.0303	0.6327	0.1308	0.7332	0.1101	0.6271	-0.0402	0.697
1717	27.5	28	-0.0293	0.6321	0.1299	0.7327	0.095	0.6268	-0.0196	0.7022
1718	28.4	28.1	-0.0273	0.6298	0.1278	0.7303	0.0698	0.6199	0.002	0.6917
1719	27.7	28.2	-0.0275	0.6283	0.128	0.7289	0.0296	0.6178	0.0411	0.6885
1720	29	28.3	-0.027	0.6284	0.1281	0.7295	0.0358	0.615	0.0401	0.6909
1721	27.7	28.3	-0.0258	0.6283	0.1267	0.7292	0.0734	0.606	0.0181	0.6975
1722	28.7	28.3	-0.026	0.6282	0.1261	0.7284	0.0903	0.599	-0.0001	0.6892
1723	30.1	28.3	-0.0263	0.6277	0.1259	0.7273	0.1196	0.6007	-0.0228	0.6975
1724	29.4	28.4	-0.0257	0.626	0.1256	0.7259	0.1471	0.5919	-0.041	0.698
1725	28.7	28.5	-0.0245	0.6247	0.1253	0.7255	0.1676	0.5828	-0.0539	0.6965
1726	29	28.5	-0.0242	0.6234	0.126	0.7251	0.1908	0.5902	-0.0579	0.7231
1727	28.5	28.5	-0.0243	0.6227	0.1272	0.7256	0.1879	0.5808	-0.0502	0.7185
1728	29.5	28.4	-0.0272	0.622	0.1296	0.7244	0.153	0.5777	-0.0204	0.7102
1729	28.9	28.4	-0.0298	0.6219	0.1334	0.7254	0.1131	0.5748	0.0101	0.698
1730	27.9	28.4	-0.0328	0.6223	0.1345	0.7239	0.0874	0.5776	0.0384	0.7034

1731	27.7	28.3	-0.0352	0.6221	0.1363	0.7232	0.0641	0.5898	0.0545	0.7084
1732	28.2	28.3	-0.037	0.6218	0.1382	0.723	0.0706	0.5929	0.0424	0.7059
1733	27.9	28.1	-0.0378	0.6219	0.1386	0.7227	0.0974	0.5968	0.0155	0.7097
1734	28.5	27.9	-0.0373	0.6218	0.1371	0.7215	0.0949	0.6085	0.0171	0.7206
1735	28	27.9	-0.035	0.621	0.1343	0.7204	0.1151	0.6222	0.0029	0.7402
1736	27.2	27.8	-0.0321	0.6203	0.1328	0.7211	0.144	0.6155	-0.0214	0.738
1737	27.4	27.8	-0.0308	0.6197	0.1315	0.7204	0.1469	0.6063	-0.0187	0.7345
1738	28	27.7	-0.0308	0.619	0.1311	0.7193	0.1105	0.5983	0.0094	0.7182
1739	27.9	27.6	-0.0282	0.6179	0.1287	0.7184	0.1196	0.5924	0.0003	0.7122
1740	27.1	27.6	-0.0258	0.6172	0.1266	0.718	0.1464	0.5979	-0.0206	0.7238
1741	27.4	27.7	-0.0256	0.617	0.1263	0.7176	0.1597	0.6004	-0.0179	0.7422
1742	27	27.7	-0.0253	0.6167	0.1259	0.7173	0.1892	0.6055	-0.0337	0.761
1743	26	27.8	-0.0274	0.6152	0.128	0.7158	0.2054	0.5939	-0.045	0.7543
1744	27.7	27.7	-0.0279	0.6147	0.1286	0.7154	0.2091	0.5896	-0.0423	0.7564
1745	26.8	27.7	-0.0256	0.6145	0.1265	0.7154	0.2056	0.5857	-0.0376	0.7537
1746	28.5	27.7	-0.0232	0.6129	0.1244	0.7141	0.2199	0.5779	-0.0496	0.7483
1747	27.2	27.7	-0.0224	0.6118	0.1244	0.7138	0.2098	0.577	-0.0468	0.7401
1748	28.1	27.6	-0.0226	0.6104	0.1249	0.7127	0.1577	0.5736	-0.0247	0.7066
1749	27.8	27.5	-0.0232	0.6096	0.1254	0.7118	0.144	0.5824	-0.0242	0.7022
1750	29.5	27.4	-0.0247	0.6094	0.1268	0.7115	0.1575	0.5793	-0.0364	0.7003
1751	28.9	27.4	-0.0274	0.609	0.1296	0.7112	0.133	0.5679	-0.0139	0.6871
1752	28.3	27.3	-0.0302	0.6084	0.133	0.7112	0.1076	0.5688	0.0048	0.6813
1753	28	27.3	-0.0323	0.6081	0.1355	0.7113	0.0892	0.5689	0.022	0.6801
1754	26.8	27.2	-0.0313	0.6078	0.1351	0.7116	0.0868	0.572	0.0283	0.6871
1755	27.2	27.2	-0.0306	0.607	0.135	0.7114	0.1084	0.5748	0.0269	0.71
1756	27.5	27	-0.0289	0.6063	0.1351	0.7124	0.0996	0.583	0.043	0.7256
1757	26.5	26.9	-0.0286	0.6049	0.1346	0.7109	0.0817	0.5802	0.0575	0.7194
1758	25.8	26.7	-0.028	0.6043	0.1345	0.7108	0.077	0.5893	0.0584	0.7248
1759	26.3	26.6	-0.0284	0.6037	0.136	0.7114	0.09	0.5932	0.0474	0.7307
1760	26.6	26.3	-0.0258	0.6019	0.1341	0.7102	0.1008	0.6029	0.0378	0.7415
1761	25.1	26.2	-0.0282	0.6022	0.1363	0.7103	0.101	0.6099	0.0379	0.7489
1762	26.5	26.1	-0.031	0.6012	0.1373	0.7075	0.0963	0.6041	0.0383	0.7386
1763	25.6	26	-0.0313	0.6006	0.1366	0.7059	0.0944	0.6027	0.0257	0.7228
1764	26.2	26	-0.0305	0.6005	0.1344	0.7044	0.0891	0.6032	0.0271	0.7194
1765	24.9	26	-0.0297	0.6005	0.1324	0.7032	0.0692	0.5986	0.0385	0.7063
1766	24.8	26.1	-0.0302	0.6003	0.1317	0.7017	0.0523	0.5992	0.0447	0.6962
1767	24.7	26.2	-0.0304	0.6005	0.1307	0.7008	0.0419	0.6046	0.0522	0.6987

1768	25.5	26.3	-0.0298	0.6003	0.129	0.6995	0.0547	0.605	0.0413	0.701
1769	25.4	26.4	-0.0315	0.6002	0.1295	0.6982	0.0794	0.5835	0.0166	0.6796
1770	26.3	26.4	-0.0342	0.6005	0.1308	0.6971	0.0783	0.5726	0.0196	0.6705
1771	26.1	26.4	-0.0358	0.6003	0.1318	0.6963	0.0855	0.5807	0.0205	0.6867
1772	26.7	26.5	-0.0367	0.5993	0.132	0.6946	0.1015	0.5864	0.0035	0.6913
1773	26.3	26.5	-0.0378	0.5987	0.1324	0.6933	0.1008	0.5936	-0.0043	0.69
1774	28.1	26.6	-0.0383	0.5982	0.132	0.692	0.0976	0.5949	-0.0069	0.6856
1775	28.2	26.8	-0.0374	0.5962	0.1306	0.6894	0.1067	0.5805	-0.0116	0.6755
1776	28.1	27	-0.0373	0.595	0.1306	0.6883	0.1245	0.5698	-0.0146	0.6797
1777	28.4	27.1	-0.0379	0.5948	0.1314	0.6882	0.1294	0.56	-0.0062	0.6831
1778	27.6	27.2	-0.038	0.594	0.1312	0.6872	0.1299	0.5581	0.0109	0.6989
1779	26.5	27.3	-0.0386	0.5941	0.1312	0.6868	0.0923	0.5564	0.0437	0.6924
1780	26.7	27.3	-0.0375	0.5934	0.13	0.6859	0.0561	0.5627	0.098	0.7169
1781	26.6	27.4	-0.0369	0.5931	0.1293	0.6855	0.0138	0.5761	0.1158	0.7057
1782	26.5	27.4	-0.037	0.5921	0.1293	0.6845	-0.0201	0.5824	0.1432	0.7054
1783	28	27.5	-0.0372	0.5903	0.1294	0.6826	-0.0471	0.5864	0.1731	0.7124
1784	29.2	27.5	-0.0382	0.5883	0.1298	0.68	-0.0592	0.5966	0.1814	0.7188
1785	27.5	27.4	-0.0394	0.5877	0.1311	0.6794	-0.0529	0.604	0.1608	0.7119
1786	27	27.3	-0.0395	0.5876	0.131	0.679	-0.0184	0.6017	0.1213	0.7047
1787	27.4	27.2	-0.038	0.5875	0.1296	0.6791	0.0275	0.5998	0.0996	0.727
1788	26.7	27.2	-0.0371	0.588	0.1288	0.6796	0.0475	0.5998	0.0803	0.7277
1789	27.9	27.2	-0.0371	0.5876	0.129	0.6795	0.0479	0.598	0.076	0.7218
1790	26.9	27.2	-0.0373	0.5878	0.129	0.6795	0.0924	0.5894	0.0377	0.7195
1791	27.7	27.3	-0.038	0.5873	0.1294	0.6787	0.1335	0.5876	0.0027	0.7239
1792	27.8	27.3	-0.0383	0.5869	0.1296	0.6781	0.1392	0.5939	-0.0029	0.7302
1793	27.1	27.1	-0.0387	0.5864	0.1292	0.677	0.1467	0.5992	-0.0092	0.7367
1794	26.4	27.1	-0.0383	0.5855	0.1287	0.6759	0.1127	0.5841	0.0272	0.7241
1795	26.8	27.1	-0.0389	0.5846	0.1295	0.6751	0.1056	0.5856	0.0384	0.7297
1796	26.8	27	-0.0367	0.5838	0.1282	0.6753	0.1494	0.5924	0.001	0.7427
1797	26.7	26.9	-0.0329	0.5832	0.1262	0.6765	0.1968	0.5733	-0.0377	0.7324
1798	26.7	27	-0.0321	0.5821	0.126	0.676	0.2152	0.5632	-0.0376	0.7408
1799	27.4	27.1	-0.0328	0.5819	0.1267	0.6757	0.216	0.547	-0.0286	0.7344
1800	27.3	27.3	-0.0338	0.5819	0.1264	0.6745	0.2079	0.5432	-0.0201	0.731