

Test Name	CDR, PF, rep 3
Cladding	Cedar Wood
Cladding Thickness [mm]	12
Insulation	Phenolic (PF) foam
Insulation Thickness [mm]	100
Cavity Width [mm]	50
Repetition Number	3
Mass Flow Rate (Propane)	0.2
Description	This experiment is on a system consisting of a Cedar Wood cladding panel and a Phenolic (PF) foam insulation panel, separated with a cavity of 50 mm width. It is the third repetition of this system configuration.
Experiment Notes	At approximately 14 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]	147
Time to Peak HRR [mins]	3.53
Residual HRR [kW]	12.9
Total HR [MJ]	79.3
Peak dQ/dt [kW/s]	1.93
Time to Peak dQ/dt [s]	3.18

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	0.141	0.141	2.9728	2.3105	-0.0004	5.2829	0.6321	0.5448	0.0321	1.209
1	0.0639	0.102	2.9724	2.3085	-0.0005	5.2803	0.6285	0.5381	0.0394	1.2059
2	0.102	0.1	2.9721	2.3069	-0.0006	5.2784	0.6526	0.535	0.0376	1.2252
3	0.0984	0.169	2.972	2.3055	-0.0008	5.2768	0.6685	0.5445	0.0308	1.2438
4	0.0959	0.487	2.9719	2.3042	-0.0007	5.2753	0.6978	0.5488	0.0261	1.2727
5	0.172	1.02	2.9717	2.3031	-0.0008	5.2739	0.7279	0.5697	0.0248	1.3223
6	0.513	1.69	2.9714	2.3022	-0.0008	5.2727	0.7481	0.5863	0.0234	1.3578
7	1.12	2.4	2.9711	2.3009	-0.0008	5.2712	0.7568	0.6039	0.0265	1.3872
8	2.08	3.13	2.9708	2.3004	-0.0009	5.2702	0.77	0.6319	0.0238	1.4256
9	2.84	3.78	2.9702	2.2993	-0.0011	5.2684	0.8302	0.6497	0.0164	1.4962
10	4.02	4.33	2.9696	2.2992	-0.0015	5.2673	0.8746	0.6485	0.0072	1.5303
11	4.83	4.86	2.9691	2.2985	-0.0018	5.2658	0.8926	0.6317	0.0085	1.5327
12	5.85	5.41	2.9685	2.298	-0.002	5.2646	0.9317	0.6244	0.0123	1.5685
13	6.63	6.02	2.9674	2.2976	-0.0019	5.2631	0.9598	0.6253	0.0191	1.6042
14	7.5	6.62	2.9661	2.2967	-0.0019	5.2609	0.9906	0.6296	0.0225	1.6428
15	8.23	7.24	2.9661	2.2956	-0.0019	5.2598	1.0168	0.6319	0.0195	1.6681
16	9.02	7.84	2.9657	2.2951	-0.002	5.2589	1.0411	0.6282	0.0183	1.6876
17	9.22	8.46	2.9653	2.2948	-0.0018	5.2583	1.0645	0.6189	0.0171	1.7005
18	9.4	9.06	2.9648	2.2945	-0.0016	5.2577	1.0879	0.6121	0.0185	1.7185
19	10.4	9.63	2.9646	2.2945	-0.0016	5.2575	1.1092	0.606	0.019	1.7341
20	10.1	10.1	2.9645	2.2941	-0.0015	5.2571	1.1314	0.6097	0.0187	1.7599
21	10.7	10.5	2.9644	2.2942	-0.0014	5.2571	1.1498	0.5988	0.0171	1.7657
22	11.5	10.9	2.964	2.2937	-0.0015	5.2562	1.1713	0.5865	0.0182	1.776
23	11.6	11.3	2.9636	2.2927	-0.0014	5.2549	1.1796	0.5798	0.0189	1.7783
24	11.9	11.6	2.9632	2.2921	-0.0014	5.2539	1.1924	0.5775	0.0222	1.7921
25	12	12	2.9626	2.2916	-0.0014	5.2528	1.2137	0.5724	0.024	1.81
26	12.8	12.2	2.9619	2.2915	-0.0015	5.252	1.2296	0.5693	0.0266	1.8255
27	13.6	12.5	2.9615	2.2912	-0.0016	5.2511	1.2419	0.5695	0.0274	1.8388
28	13.5	12.8	2.9606	2.2907	-0.0016	5.2498	1.255	0.574	0.0261	1.8551

29	13.8	13.1	2.96	2.2904	-0.0016	5.2488	1.2729	0.5711	0.0233	1.8672
30	12.6	13.4	2.9592	2.29	-0.0017	5.2475	1.2829	0.5641	0.0226	1.8697
31	12.6	13.7	2.9587	2.29	-0.0016	5.2471	1.2863	0.5588	0.021	1.8661
32	13.5	14	2.9581	2.2895	-0.0017	5.246	1.3094	0.5606	0.0192	1.8892
33	14.5	14.3	2.9577	2.2892	-0.0016	5.2452	1.3064	0.5615	0.017	1.8848
34	14.5	14.5	2.9567	2.2894	-0.0016	5.2445	1.3075	0.5525	0.0189	1.8789
35	14.4	14.7	2.9559	2.2891	-0.0018	5.2433	1.3043	0.5525	0.0252	1.882
36	14.6	14.8	2.9551	2.289	-0.0018	5.2423	1.2963	0.5565	0.0273	1.8801
37	15.3	15	2.9544	2.289	-0.002	5.2414	1.2909	0.5633	0.0273	1.8815
38	15.6	15.3	2.9534	2.2878	-0.0018	5.2394	1.283	0.5683	0.0291	1.8804
39	15.9	15.4	2.9527	2.2879	-0.0016	5.239	1.2806	0.5692	0.0274	1.8771
40	16.9	15.7	2.952	2.2881	-0.0016	5.2385	1.2797	0.5731	0.0247	1.8775
41	17	16	2.951	2.2876	-0.0017	5.237	1.2757	0.572	0.0188	1.8664
42	16.2	16.2	2.9505	2.2873	-0.0014	5.2364	1.2765	0.5688	0.0186	1.864
43	15.4	16.4	2.9495	2.2871	-0.0013	5.2353	1.2839	0.5584	0.0184	1.8607
44	15.7	16.7	2.9481	2.2866	-0.0014	5.2332	1.2862	0.5549	0.0178	1.8589
45	16.5	16.9	2.9466	2.2859	-0.0015	5.231	1.295	0.5453	0.0174	1.8577
46	17.4	17.1	2.9452	2.2856	-0.0016	5.2292	1.3004	0.5385	0.0167	1.8555
47	17.6	17.3	2.944	2.2852	-0.0015	5.2277	1.3011	0.5363	0.0149	1.8523
48	17.1	17.6	2.9431	2.2842	-0.0017	5.2257	1.3058	0.5304	0.0136	1.8498
49	17.6	17.8	2.9419	2.2847	-0.0018	5.2248	1.3084	0.5254	0.0124	1.8462
50	17.7	18	2.9415	2.2845	-0.0022	5.2238	1.3125	0.5231	0.0092	1.8448
51	18.3	18.2	2.9396	2.2841	-0.0021	5.2216	1.3308	0.5121	0.0049	1.8478
52	18.6	18.6	2.9381	2.2831	-0.0018	5.2193	1.3419	0.4934	0.0034	1.8386
53	18.7	19.1	2.9358	2.2823	-0.0016	5.2165	1.354	0.4782	0.0046	1.8368
54	19.1	19.5	2.9335	2.2806	-0.0016	5.2125	1.3675	0.4689	0.0033	1.8396
55	18.5	20	2.9316	2.2791	-0.0015	5.2092	1.3806	0.4573	0.0045	1.8425
56	19.2	20.5	2.9304	2.2775	-0.0017	5.2062	1.4022	0.4487	0.0061	1.8569
57	20	21	2.9289	2.2753	-0.0016	5.2026	1.4216	0.4419	0.007	1.8705
58	20.9	21.5	2.9245	2.2736	-0.0012	5.197	1.4513	0.4417	0.0063	1.8993
59	20.2	22.2	2.9211	2.273	-0.0006	5.1934	1.4773	0.4481	0.006	1.9315
60	22	22.9	2.9191	2.2734	-0.0007	5.1918	1.5014	0.4457	0.0023	1.9494
61	22.7	23.6	2.9158	2.2732	-0.001	5.188	1.5197	0.4564	-0.0019	1.9741
62	24.5	24.4	2.9131	2.2725	-0.0014	5.1842	1.5284	0.4604	-0.0031	1.9858
63	24.4	25.3	2.9101	2.2716	-0.0016	5.1801	1.5493	0.4809	-0.004	2.0261
64	25.4	26.2	2.9074	2.2709	-0.0015	5.1768	1.5797	0.4822	-0.0048	2.0572
65	26.7	27.2	2.9048	2.2705	-0.0014	5.1739	1.6145	0.4883	-0.005	2.0978

66	26.8	28.1	2.9022	2.2705	-0.0013	5.1713	1.6653	0.4932	-0.0029	2.1556
67	27.5	29	2.8996	2.2703	-0.0014	5.1684	1.71	0.5042	-0.006	2.2082
68	30.6	29.7	2.897	2.2701	-0.0015	5.1656	1.7644	0.5219	-0.0035	2.2828
69	31.2	30.5	2.8943	2.2692	-0.0015	5.1621	1.8126	0.537	0.0005	2.3502
70	31.9	31.3	2.8919	2.2694	-0.0014	5.1599	1.8503	0.5551	-0.0009	2.4045
71	33.1	32	2.8892	2.2697	-0.0015	5.1574	1.9055	0.5726	-0.003	2.475
72	35.9	32.4	2.8874	2.2696	-0.0016	5.1554	1.9668	0.5986	-0.0041	2.5614
73	35.9	32.8	2.8853	2.2692	-0.0018	5.1526	2.033	0.6168	-0.01	2.6398
74	37.9	33.3	2.8825	2.269	-0.002	5.1495	2.0787	0.6346	-0.0086	2.7048
75	36.9	33.5	2.8801	2.2687	-0.0022	5.1465	2.119	0.6528	-0.006	2.7658
76	36.1	33.8	2.8779	2.2681	-0.0023	5.1437	2.1739	0.6697	-0.006	2.8376
77	35.2	33.9	2.8756	2.2672	-0.0022	5.1406	2.228	0.6872	-0.0085	2.9066
78	35.7	33.9	2.873	2.2668	-0.002	5.1378	2.2899	0.7002	-0.0129	2.9771
79	36.3	33.7	2.8709	2.2668	-0.002	5.1357	2.33	0.7138	-0.0115	3.0323
80	35.8	33.5	2.8693	2.2667	-0.0019	5.1341	2.3864	0.7265	-0.0148	3.0981
81	33	33.2	2.8662	2.266	-0.0018	5.1303	2.4705	0.7416	-0.0169	3.1951
82	32.2	32.6	2.8651	2.2653	-0.0016	5.1288	2.5178	0.7552	-0.0162	3.2568
83	33.3	32	2.8637	2.2655	-0.0018	5.1274	2.6007	0.7645	-0.0175	3.3477
84	31.8	31.3	2.8627	2.265	-0.0023	5.1253	2.6469	0.7748	-0.019	3.4026
85	31.4	30.6	2.862	2.2641	-0.0025	5.1236	2.7021	0.7866	-0.0204	3.4684
86	30.7	29.9	2.8612	2.2629	-0.0026	5.1216	2.7474	0.7959	-0.0209	3.5223
87	29.2	29.2	2.8606	2.2619	-0.0028	5.1198	2.8025	0.8105	-0.02	3.5929
88	27	28.5	2.8596	2.2613	-0.0026	5.1182	2.8513	0.819	-0.0237	3.6466
89	28.5	27.7	2.8584	2.2603	-0.0024	5.1163	2.9061	0.8274	-0.025	3.7085
90	27.5	26.9	2.8574	2.2599	-0.0019	5.1154	2.9731	0.8414	-0.025	3.7894
91	25.4	26.2	2.8561	2.2596	-0.0019	5.1138	3.0204	0.8576	-0.0271	3.8509
92	24.1	25.5	2.8541	2.26	-0.0019	5.1122	3.086	0.8737	-0.028	3.9317
93	24.6	24.7	2.8526	2.2598	-0.0019	5.1105	3.1465	0.8811	-0.0274	4.0001
94	24.2	24.1	2.8505	2.2601	-0.0018	5.1088	3.2072	0.8951	-0.0271	4.0752
95	22.4	23.4	2.8487	2.2602	-0.0018	5.1071	3.2585	0.9069	-0.0295	4.136
96	22.3	22.9	2.8473	2.2599	-0.0016	5.1056	3.3051	0.9149	-0.031	4.1889
97	21.3	22.5	2.8456	2.2599	-0.0015	5.104	3.3568	0.9306	-0.0339	4.2535
98	21.5	22.1	2.844	2.2599	-0.0014	5.1025	3.4187	0.9406	-0.0328	4.3265
99	20.3	21.8	2.8423	2.2596	-0.0011	5.1008	3.4758	0.9447	-0.0321	4.3884
100	19.2	21.6	2.8397	2.2593	-0.0009	5.0981	3.535	0.9591	-0.0303	4.4638
101	19.4	21.4	2.8382	2.2591	-0.0008	5.0965	3.6136	0.9772	-0.033	4.5579
102	19.3	21.3	2.8367	2.2591	-0.0011	5.0947	3.6744	1.0037	-0.0313	4.6469

103	19	21.3	2.8353	2.2586	-0.0011	5.0928	3.7523	1.0014	-0.0268	4.7269
104	19.2	21.3	2.8338	2.2585	-0.0012	5.0911	3.8147	1.0105	-0.0282	4.797
105	20.6	21.5	2.8314	2.2582	-0.0014	5.0882	3.8732	1.009	-0.0317	4.8504
106	20.9	21.8	2.8292	2.258	-0.0015	5.0857	3.9268	1.004	-0.0325	4.8983
107	20.9	22.3	2.826	2.2568	-0.0014	5.0813	3.9854	0.9999	-0.0322	4.953
108	21.9	22.9	2.823	2.2555	-0.0015	5.0771	4.0597	0.9954	-0.0283	5.0269
109	23	23.7	2.82	2.2547	-0.0013	5.0734	4.0974	1.0056	-0.022	5.081
110	22.5	24.7	2.8176	2.2536	-0.0013	5.0699	4.1565	1.0123	-0.018	5.1508
111	22.2	25.8	2.8163	2.2524	-0.0015	5.0672	4.2031	1.0331	-0.0191	5.2171
112	24.4	26.9	2.8136	2.2499	-0.0016	5.062	4.2507	1.057	-0.0231	5.2846
113	24.5	28.1	2.8094	2.2493	-0.0014	5.0573	4.2987	1.0725	-0.0331	5.3381
114	26.1	29.4	2.8047	2.2478	-0.0014	5.0511	4.3618	1.0828	-0.036	5.4086
115	28.2	30.8	2.7996	2.2463	-0.0017	5.0443	4.4253	1.0867	-0.0336	5.4785
116	30.6	32.3	2.7947	2.2447	-0.0014	5.0381	4.4899	1.1029	-0.0335	5.5593
117	33.3	33.9	2.7888	2.2426	-0.0014	5.03	4.5497	1.1271	-0.0352	5.6416
118	35.2	35.7	2.7835	2.2408	-0.0017	5.0227	4.6094	1.1391	-0.0368	5.7117
119	38	37.6	2.7796	2.239	-0.0015	5.0171	4.6846	1.153	-0.037	5.8006
120	39.8	39.8	2.7739	2.2368	-0.0012	5.0096	4.7257	1.1624	-0.0379	5.8502
121	41.9	42.5	2.7677	2.2343	-0.001	5.001	4.806	1.1755	-0.042	5.9395
122	41.3	45.2	2.7607	2.232	-0.0005	4.9922	4.8595	1.1879	-0.0427	6.0046
123	43.5	48.2	2.7557	2.2292	-0.0005	4.9844	4.9216	1.2007	-0.0408	6.0815
124	47.8	51.3	2.7513	2.2268	-0.0008	4.9774	4.9784	1.2083	-0.0407	6.146
125	49.3	54.4	2.7452	2.2247	-0.0008	4.969	5.026	1.222	-0.0433	6.2046
126	51.7	57.6	2.7391	2.2228	-0.0006	4.9613	5.078	1.2389	-0.0466	6.2703
127	55.3	60.8	2.7325	2.2211	-0.0003	4.9534	5.1414	1.2468	-0.0468	6.3414
128	59.1	63.9	2.7276	2.2194	-0.0004	4.9466	5.2098	1.2486	-0.0411	6.4173
129	63.9	67	2.7214	2.2178	-0.0001	4.939	5.2652	1.2544	-0.0397	6.48
130	74	70.1	2.7121	2.2158	0	4.928	5.3384	1.2734	-0.0409	6.571
131	74.9	73.6	2.7069	2.2145	0	4.9214	5.3835	1.2853	-0.0438	6.625
132	81.3	77	2.6981	2.2131	0.0001	4.9112	5.4304	1.2876	-0.0445	6.6734
133	84.9	80.1	2.693	2.2117	0.0003	4.905	5.4867	1.2936	-0.0412	6.7392
134	87.5	83.4	2.6865	2.2107	0.0004	4.8976	5.5518	1.306	-0.0446	6.8132
135	91.5	86.8	2.6812	2.2096	0.0003	4.8911	5.6318	1.3153	-0.0519	6.8952
136	94	89.9	2.6748	2.208	0.0002	4.883	5.7206	1.3225	-0.0525	6.9906
137	93.9	93	2.6693	2.2071	0.0004	4.8768	5.794	1.3225	-0.0528	7.0637
138	97.2	95.8	2.6628	2.2051	0.0007	4.8685	5.8701	1.3229	-0.0548	7.1381
139	98.9	98.4	2.6554	2.2037	0.0009	4.8601	5.9369	1.3291	-0.0533	7.2127

140	109	100	2.65	2.2023	0.0011	4.8534	6.0134	1.337	-0.0537	7.2967
141	106	102	2.6424	2.2003	0.0011	4.8438	6.1141	1.3462	-0.0594	7.4009
142	101	104	2.6358	2.1992	0.0013	4.8364	6.1822	1.3531	-0.0611	7.4741
143	112	106	2.6288	2.1976	0.0014	4.8278	6.3185	1.3604	-0.0643	7.6146
144	114	108	2.6222	2.1959	0.0015	4.8196	6.424	1.3651	-0.0661	7.723
145	110	109	2.6161	2.1945	0.0016	4.8121	6.5346	1.3859	-0.0678	7.8527
146	114	110	2.6095	2.1925	0.0018	4.8039	6.6343	1.3999	-0.0697	7.9645
147	113	112	2.6021	2.1912	0.0018	4.7951	6.7255	1.4181	-0.0709	8.0727
148	112	113	2.5955	2.1898	0.0015	4.7868	6.7974	1.4368	-0.069	8.1653
149	112	114	2.5884	2.1888	0.0012	4.7784	6.8684	1.4536	-0.0671	8.2549
150	113	115	2.5801	2.1868	0.0011	4.768	6.9427	1.4717	-0.065	8.3495
151	118	115	2.5721	2.1837	0.001	4.7569	7.0194	1.4814	-0.0639	8.4368
152	114	117	2.5629	2.1829	0.0009	4.7467	7.1235	1.4898	-0.0624	8.5509
153	120	117	2.5544	2.1812	0.0012	4.7368	7.2254	1.5011	-0.0637	8.6628
154	120	118	2.5462	2.1797	0.0016	4.7275	7.2988	1.5118	-0.0622	8.7483
155	116	118	2.539	2.1787	0.0018	4.7194	7.371	1.5276	-0.0642	8.8344
156	120	119	2.5319	2.1775	0.0015	4.7109	7.4319	1.5365	-0.068	8.9005
157	124	119	2.5229	2.1757	0.0013	4.6999	7.4893	1.5551	-0.0705	8.9739
158	119	119	2.5148	2.173	0.001	4.6889	7.5327	1.5613	-0.0709	9.0231
159	123	120	2.5054	2.1718	0.0012	4.6784	7.5754	1.5677	-0.0726	9.0705
160	119	120	2.4988	2.1701	0.0012	4.6701	7.6266	1.5862	-0.0703	9.1425
161	125	120	2.4907	2.1675	0.0014	4.6596	7.6838	1.5894	-0.0692	9.2039
162	123	121	2.4832	2.1653	0.0019	4.6504	7.7503	1.5851	-0.0682	9.2672
163	118	121	2.4739	2.1634	0.002	4.6393	7.8022	1.5671	-0.0676	9.3017
164	125	121	2.4649	2.1622	0.0019	4.629	7.8727	1.5801	-0.065	9.3879
165	120	122	2.4558	2.1602	0.002	4.618	7.9151	1.5766	-0.0687	9.4231
166	117	122	2.4472	2.1577	0.0022	4.6072	7.9513	1.5757	-0.0708	9.4561
167	119	122	2.4386	2.1564	0.0022	4.5972	7.9893	1.5753	-0.0671	9.4975
168	118	123	2.4285	2.1548	0.0022	4.5856	8.0195	1.5755	-0.0688	9.5261
169	121	123	2.4218	2.153	0.0023	4.5771	8.0617	1.572	-0.0717	9.562
170	126	124	2.4113	2.1519	0.0028	4.566	8.1394	1.5704	-0.0686	9.6413
171	126	124	2.4032	2.1509	0.0028	4.5569	8.1747	1.5672	-0.0667	9.6753
172	126	124	2.3953	2.1495	0.0025	4.5473	8.2151	1.5505	-0.0641	9.7015
173	121	125	2.3874	2.1484	0.0022	4.5381	8.221	1.5454	-0.0588	9.7075
174	123	126	2.3799	2.1468	0.0023	4.529	8.2542	1.5347	-0.0609	9.7281
175	125	127	2.3723	2.1448	0.0025	4.5195	8.3013	1.5254	-0.0611	9.7656
176	130	127	2.3638	2.1434	0.0024	4.5095	8.3092	1.5226	-0.0588	9.7731

177	126	128	2.3547	2.1423	0.0019	4.4988	8.3291	1.5182	-0.0587	9.7887
178	132	130	2.3465	2.1414	0.0019	4.4898	8.328	1.5181	-0.0578	9.7883
179	130	131	2.3371	2.1395	0.0021	4.4786	8.3578	1.5137	-0.0606	9.8109
180	133	131	2.331	2.1381	0.0025	4.4716	8.3875	1.5144	-0.0582	9.8438
181	129	132	2.3231	2.1372	0.0027	4.463	8.3781	1.513	-0.0555	9.8356
182	131	133	2.3164	2.136	0.0025	4.4549	8.4271	1.5183	-0.0558	9.8896
183	137	134	2.3085	2.1349	0.0027	4.4461	8.3979	1.5161	-0.0543	9.8597
184	135	136	2.2995	2.1334	0.0029	4.4358	8.4494	1.5255	-0.05	9.9248
185	134	136	2.29	2.1318	0.0027	4.4245	8.4647	1.5299	-0.0504	9.9442
186	137	137	2.2818	2.1307	0.0027	4.4152	8.4915	1.5407	-0.0524	9.9798
187	140	138	2.2736	2.1296	0.0027	4.406	8.4902	1.54	-0.0514	9.9787
188	138	139	2.2659	2.1284	0.0027	4.3969	8.5139	1.547	-0.0445	10.0163
189	143	140	2.257	2.1266	0.003	4.3866	8.531	1.546	-0.0388	10.0382
190	141	140	2.246	2.1253	0.004	4.3753	8.5452	1.547	-0.0333	10.0589
191	143	141	2.2379	2.1243	0.0042	4.3664	8.6054	1.5502	-0.0279	10.1276
192	146	142	2.2223	2.124	0.0045	4.3508	8.6166	1.543	-0.0259	10.1337
193	144	143	2.2102	2.1233	0.0047	4.3382	8.6444	1.5496	-0.0265	10.1675
194	139	144	2.197	2.1215	0.0049	4.3235	8.6458	1.5476	-0.0267	10.1667
195	145	145	2.1853	2.1202	0.0052	4.3107	8.671	1.5562	-0.0258	10.2014
196	146	146	2.1748	2.1181	0.0055	4.2983	8.6927	1.5503	-0.0224	10.2206
197	149	147	2.1658	2.1163	0.0054	4.2875	8.7199	1.5518	-0.018	10.2536
198	147	148	2.1572	2.1146	0.0053	4.277	8.72	1.5562	-0.018	10.2582
199	142	148	2.148	2.1124	0.0054	4.2658	8.7343	1.556	-0.0181	10.2722
200	148	149	2.1378	2.1112	0.0055	4.2544	8.7435	1.5674	-0.0217	10.2891
201	151	150	2.1258	2.1101	0.0054	4.2414	8.7374	1.5621	-0.0256	10.2739
202	154	150	2.1142	2.109	0.0053	4.2284	8.7477	1.5483	-0.029	10.267
203	153	151	2.1054	2.1074	0.0051	4.218	8.733	1.5511	-0.0312	10.2529
204	154	152	2.0967	2.1057	0.0052	4.2076	8.7283	1.5392	-0.0232	10.2443
205	154	152	2.0882	2.1045	0.0054	4.1982	8.723	1.5273	-0.0198	10.2305
206	157	153	2.0803	2.1025	0.0056	4.1883	8.7341	1.5352	-0.0189	10.2504
207	157	153	2.0727	2.1006	0.0057	4.179	8.735	1.544	-0.0236	10.2555
208	150	153	2.0655	2.0988	0.0058	4.17	8.7248	1.5487	-0.0245	10.249
209	155	154	2.0573	2.0961	0.0057	4.1592	8.7268	1.5376	-0.0267	10.2377
210	155	155	2.0492	2.0946	0.0056	4.1495	8.7207	1.5392	-0.0303	10.2296
211	156	155	2.0413	2.0939	0.0053	4.1405	8.7347	1.5336	-0.032	10.2363
212	153	155	2.0334	2.0932	0.0052	4.1318	8.7274	1.5151	-0.0311	10.2113
213	160	155	2.0221	2.0913	0.0051	4.1185	8.7411	1.5004	-0.0234	10.2181

214	153	155	2.0132	2.0902	0.0054	4.1088	8.7243	1.4907	-0.0223	10.1927
215	150	155	2.0045	2.0887	0.0054	4.0987	8.7163	1.4879	-0.021	10.1832
216	152	155	1.9958	2.0872	0.0053	4.0883	8.7023	1.4792	-0.0185	10.1629
217	158	155	1.9869	2.0851	0.0055	4.0774	8.7145	1.4682	-0.0162	10.1665
218	158	155	1.9774	2.0836	0.0055	4.0665	8.7087	1.4641	-0.0167	10.1562
219	160	155	1.9656	2.0819	0.0053	4.0529	8.6929	1.4581	-0.019	10.132
220	158	154	1.9565	2.0801	0.0055	4.0421	8.7069	1.4501	-0.0181	10.1389
221	156	155	1.9462	2.0792	0.0054	4.0308	8.6826	1.4482	-0.0148	10.116
222	151	155	1.9386	2.0775	0.0054	4.0215	8.6891	1.4487	-0.017	10.1209
223	155	154	1.9303	2.0758	0.0056	4.0116	8.6791	1.4487	-0.0184	10.1094
224	148	154	1.9212	2.0743	0.0053	4.0008	8.6778	1.4527	-0.0224	10.1081
225	154	154	1.9143	2.0724	0.005	3.9917	8.668	1.4593	-0.0264	10.1009
226	155	153	1.9062	2.071	0.0053	3.9825	8.6657	1.46	-0.0285	10.0972
227	155	153	1.8997	2.0693	0.0055	3.9745	8.6253	1.452	-0.0298	10.0475
228	152	152	1.8919	2.068	0.0056	3.9655	8.6122	1.4498	-0.0315	10.0306
229	150	151	1.8826	2.0663	0.0057	3.9547	8.62	1.4549	-0.0267	10.0483
230	157	150	1.8743	2.0645	0.0055	3.9444	8.6034	1.4499	-0.0203	10.033
231	160	150	1.8642	2.0627	0.0056	3.9325	8.6113	1.4511	-0.0156	10.0468
232	149	149	1.8583	2.0615	0.0055	3.9252	8.6072	1.4596	-0.0123	10.0544
233	144	149	1.848	2.0592	0.0053	3.9125	8.5992	1.4667	-0.0114	10.0545
234	145	149	1.8401	2.0577	0.0054	3.9032	8.5783	1.4757	-0.0092	10.0448
235	145	149	1.832	2.0555	0.0056	3.8931	8.5694	1.4779	-0.0083	10.039
236	146	148	1.8258	2.054	0.0053	3.8851	8.5227	1.4792	-0.01	9.9919
237	142	147	1.8179	2.0524	0.0049	3.8752	8.5062	1.4844	-0.0108	9.9799
238	146	147	1.8097	2.0505	0.0045	3.8647	8.4864	1.4829	-0.0097	9.9596
239	142	147	1.8009	2.049	0.0042	3.8542	8.4836	1.4797	-0.0087	9.9547
240	144	146	1.7895	2.0473	0.0039	3.8406	8.4782	1.471	-0.0013	9.9479
241	142	146	1.7808	2.046	0.0037	3.8305	8.4358	1.4653	0.0142	9.9154
242	151	146	1.7714	2.0442	0.004	3.8196	8.4116	1.4649	0.0163	9.8928
243	152	145	1.7642	2.0428	0.0041	3.8111	8.3047	1.4696	0.0139	9.7882
244	145	145	1.7551	2.0403	0.0041	3.7995	8.2491	1.4786	0.0121	9.7398
245	145	145	1.7468	2.0394	0.0038	3.7901	8.1793	1.4875	0.0098	9.6766
246	142	145	1.7375	2.0374	0.0036	3.7785	8.133	1.4824	0.0118	9.6272
247	143	145	1.7301	2.0355	0.0036	3.7692	8.0817	1.4683	0.0178	9.5678
248	148	145	1.7221	2.0342	0.0033	3.7596	8.0346	1.4663	0.0197	9.5206
249	146	145	1.7141	2.032	0.0034	3.7495	8.0084	1.4628	0.0187	9.49
250	150	145	1.7064	2.0306	0.0037	3.7406	7.9769	1.4523	0.0195	9.4488

251	145	145	1.6974	2.0289	0.0039	3.7302	7.9353	1.4488	0.021	9.4051
252	138	145	1.6896	2.0278	0.004	3.7214	7.8667	1.4513	0.02	9.3381
253	145	144	1.6815	2.0273	0.0035	3.7124	7.7925	1.4597	0.0178	9.27
254	144	144	1.6739	2.027	0.0036	3.7044	7.7683	1.4562	0.013	9.2375
255	137	144	1.6655	2.0252	0.0036	3.6944	7.7383	1.4469	0.0142	9.1994
256	145	144	1.6583	2.0231	0.0039	3.6853	7.7113	1.457	0.0196	9.1879
257	145	144	1.6504	2.0209	0.0037	3.675	7.6759	1.4381	0.0185	9.1325
258	141	144	1.6421	2.0193	0.0037	3.6651	7.6562	1.4346	0.0196	9.1104
259	141	144	1.6333	2.0179	0.0042	3.6554	7.6437	1.4319	0.0202	9.0958
260	147	144	1.6253	2.0167	0.0044	3.6464	7.6193	1.4188	0.0175	9.0556
261	145	145	1.618	2.016	0.0045	3.6384	7.5771	1.4184	0.0134	9.0089
262	143	145	1.6091	2.0152	0.0043	3.6286	7.5493	1.4247	0.008	8.982
263	143	145	1.6015	2.0143	0.0042	3.62	7.5115	1.4294	0.0056	8.9464
264	140	146	1.5933	2.0134	0.004	3.6107	7.4383	1.419	0.0016	8.8588
265	153	146	1.5856	2.0123	0.0038	3.6017	7.4005	1.421	0.0019	8.8234
266	143	146	1.5758	2.0109	0.0038	3.5905	7.3752	1.4175	0.0021	8.7949
267	146	147	1.5677	2.01	0.0039	3.5816	7.3333	1.4129	-0.0005	8.7456
268	147	147	1.5592	2.009	0.0041	3.5724	7.2852	1.3941	0.003	8.6822
269	152	148	1.5511	2.008	0.0041	3.5632	7.2431	1.3869	0.0074	8.6374
270	150	148	1.543	2.007	0.0043	3.5544	7.1748	1.3874	0.0086	8.5708
271	147	148	1.5343	2.006	0.0045	3.5448	7.1366	1.3787	0.0127	8.5281
272	148	148	1.5273	2.0047	0.0043	3.5364	7.0978	1.383	0.0121	8.4929
273	154	149	1.5197	2.0031	0.0045	3.5272	7.062	1.3818	0.0132	8.4569
274	144	150	1.5131	2.0009	0.005	3.519	7.0126	1.3874	0.0171	8.4171
275	149	150	1.5057	1.9988	0.0053	3.5098	6.9812	1.3853	0.0159	8.3824
276	152	150	1.5012	1.9982	0.0054	3.5048	6.94	1.3845	0.0159	8.3405
277	155	151	1.4934	1.9973	0.005	3.4958	6.8986	1.3958	0.0176	8.3121
278	153	150	1.4844	1.9959	0.0046	3.4849	6.8541	1.3985	0.0166	8.2692
279	150	150	1.4767	1.9945	0.0041	3.4753	6.7924	1.4052	0.0123	8.2099
280	147	150	1.4698	1.993	0.0041	3.4669	6.726	1.3956	0.0121	8.1337
281	148	150	1.4624	1.9912	0.0039	3.4576	6.6716	1.3851	0.0037	8.0604
282	155	150	1.4565	1.9893	0.0037	3.4495	6.5966	1.382	0.0022	7.9808
283	156	150	1.4507	1.9873	0.0036	3.4416	6.5704	1.385	0.0047	7.9601
284	149	150	1.4425	1.9856	0.0037	3.4319	6.5015	1.3745	0.0047	7.8806
285	152	150	1.4377	1.9839	0.0037	3.4253	6.4497	1.3731	0.0084	7.8312
286	154	149	1.4312	1.9822	0.0038	3.4172	6.4193	1.3571	0.01	7.7864
287	144	148	1.425	1.9813	0.0037	3.41	6.3904	1.3547	0.0083	7.7534

288	143	147	1.4175	1.9804	0.0036	3.4015	6.3517	1.34	0.0097	7.7014
289	150	147	1.4092	1.9795	0.0031	3.3918	6.3126	1.3326	0.0075	7.6528
290	149	147	1.4024	1.9787	0.0026	3.3838	6.2512	1.3288	0.0053	7.5853
291	146	146	1.3967	1.9778	0.0026	3.3771	6.1646	1.3213	0.0032	7.4891
292	148	145	1.3918	1.977	0.0031	3.3719	6.1068	1.3225	0.0022	7.4315
293	148	144	1.3853	1.9754	0.0035	3.3643	6.0362	1.3162	0.0048	7.3572
294	144	144	1.3791	1.9728	0.004	3.3559	5.992	1.3112	0.0054	7.3086
295	141	143	1.372	1.972	0.004	3.348	5.9221	1.3077	0.0048	7.2347
296	142	142	1.3666	1.9713	0.0037	3.3415	5.8597	1.3247	0.0024	7.1868
297	137	142	1.3624	1.9696	0.0034	3.3354	5.7917	1.3288	-0.0024	7.1181
298	140	141	1.3563	1.9683	0.0034	3.328	5.7456	1.3299	-0.0025	7.073
299	144	140	1.3503	1.9672	0.0034	3.321	5.6895	1.3371	-0.0064	7.0202
300	138	140	1.3443	1.9663	0.0034	3.3139	5.6218	1.3425	-0.0036	6.9608
301	139	139	1.3392	1.965	0.0034	3.3076	5.5656	1.3488	0.0015	6.9159
302	139	138	1.3349	1.963	0.0035	3.3014	5.4861	1.3424	0.0027	6.8311
303	141	137	1.3286	1.9618	0.0038	3.2942	5.4123	1.3312	-0.0014	6.7421
304	138	137	1.3229	1.961	0.0038	3.2877	5.346	1.3282	-0.012	6.6623
305	139	136	1.3171	1.9588	0.0034	3.2794	5.3	1.3356	-0.015	6.6205
306	134	136	1.3127	1.9586	0.0037	3.2751	5.2362	1.3257	-0.0141	6.5479
307	131	135	1.3071	1.9572	0.0037	3.268	5.1979	1.314	-0.0095	6.5024
308	133	135	1.3011	1.9556	0.0037	3.2605	5.1366	1.31	-0.0109	6.4357
309	135	134	1.2954	1.9542	0.004	3.2536	5.0792	1.3235	-0.0111	6.3916
310	133	134	1.2915	1.9528	0.0043	3.2486	5.0121	1.3239	-0.0097	6.3264
311	131	133	1.2863	1.9514	0.0045	3.2423	4.9597	1.3277	-0.0122	6.2752
312	131	132	1.2822	1.9503	0.0046	3.2372	4.9101	1.3298	-0.0116	6.2283
313	130	131	1.2783	1.9494	0.0049	3.2327	4.8436	1.329	-0.0133	6.1593
314	134	130	1.2731	1.9481	0.0052	3.2265	4.7939	1.3266	-0.015	6.1055
315	133	129	1.267	1.947	0.0052	3.2192	4.7347	1.3275	-0.0164	6.0459
316	133	128	1.2625	1.9459	0.0054	3.2138	4.6772	1.3335	-0.0187	5.992
317	133	128	1.2584	1.9457	0.0052	3.2092	4.6	1.3301	-0.0133	5.9168
318	131	127	1.253	1.9449	0.0048	3.2027	4.5485	1.3524	-0.012	5.889
319	130	126	1.2482	1.9432	0.0045	3.1959	4.491	1.3569	-0.0061	5.8419
320	122	125	1.2428	1.9423	0.0042	3.1893	4.444	1.3551	-0.0045	5.7946
321	120	125	1.2364	1.9409	0.0042	3.1815	4.3941	1.372	0.0024	5.7685
322	118	124	1.2324	1.9393	0.0041	3.1758	4.3487	1.3885	0.0024	5.7396
323	121	124	1.229	1.937	0.0039	3.1699	4.3215	1.3934	0.0008	5.7157
324	119	123	1.2231	1.9358	0.0037	3.1626	4.2796	1.3829	0.0013	5.6638

325	120	122	1.2203	1.934	0.0034	3.1577	4.2415	1.3686	0.0082	5.6183
326	119	120	1.2164	1.9314	0.0035	3.1513	4.1914	1.356	0.0134	5.5608
327	118	119	1.2143	1.9295	0.0038	3.1476	4.1625	1.3669	0.0098	5.5392
328	122	118	1.2126	1.9275	0.0044	3.1445	4.099	1.3823	0.002	5.4833
329	119	117	1.21	1.9268	0.0045	3.1413	4.0289	1.3764	-0.0076	5.3977
330	124	116	1.2072	1.926	0.0052	3.1384	3.9602	1.3637	-0.0138	5.31
331	119	115	1.2046	1.9245	0.0054	3.1344	3.9127	1.3575	-0.0093	5.2609
332	116	115	1.2012	1.923	0.005	3.1292	3.8666	1.3557	-0.0084	5.2138
333	115	114	1.1979	1.9217	0.0048	3.1244	3.8391	1.3524	-0.008	5.1835
334	113	113	1.1951	1.9204	0.0046	3.1201	3.8178	1.3433	-0.0073	5.1538
335	112	112	1.1901	1.9198	0.0046	3.1144	3.7577	1.3485	-0.0075	5.0987
336	106	111	1.1867	1.9185	0.0045	3.1098	3.7242	1.3523	-0.0071	5.0694
337	111	110	1.1827	1.9184	0.0039	3.105	3.6756	1.3448	-0.0051	5.0154
338	110	109	1.1784	1.9172	0.0038	3.0994	3.6283	1.3531	-0.0077	4.9738
339	106	108	1.1758	1.9162	0.0037	3.0956	3.567	1.3564	-0.0109	4.9125
340	103	106	1.173	1.9152	0.0036	3.0917	3.5003	1.3587	-0.0188	4.8402
341	106	105	1.1701	1.9137	0.0035	3.0873	3.4414	1.3562	-0.0274	4.7703
342	106	104	1.1678	1.9126	0.0035	3.0839	3.3853	1.3584	-0.0303	4.7133
343	103	103	1.165	1.9117	0.0036	3.0803	3.3534	1.365	-0.0276	4.6909
344	101	102	1.1629	1.9095	0.0036	3.076	3.3123	1.3606	-0.0261	4.6468
345	101	101	1.1608	1.907	0.0036	3.0714	3.2636	1.3401	-0.0262	4.5775
346	97.3	100	1.1584	1.9045	0.0039	3.0667	3.2059	1.3398	-0.027	4.5187
347	100	98.8	1.1556	1.9026	0.0038	3.0619	3.1715	1.3369	-0.0303	4.4782
348	96.8	97.8	1.1531	1.9005	0.004	3.0576	3.153	1.3242	-0.0309	4.4463
349	98.4	97	1.1519	1.8978	0.0038	3.0534	3.1281	1.3193	-0.0297	4.4177
350	97.9	96.3	1.1498	1.8957	0.0035	3.049	3.1014	1.31	-0.0283	4.3831
351	95.2	95.2	1.1488	1.8947	0.0036	3.047	3.0699	1.3083	-0.0281	4.3501
352	92.2	94	1.1483	1.8947	0.0041	3.0472	3.0371	1.3064	-0.0273	4.3162
353	93.4	92.8	1.1469	1.8945	0.0047	3.0462	3.0067	1.2989	-0.0296	4.276
354	89.2	91.7	1.1439	1.8934	0.0051	3.0424	2.9624	1.2968	-0.0297	4.2295
355	93.1	90.7	1.1419	1.8926	0.005	3.0396	2.9081	1.3035	-0.0308	4.1807
356	88.9	89.9	1.1386	1.8917	0.0048	3.0351	2.8632	1.2939	-0.0341	4.123
357	90	89	1.1368	1.8899	0.0048	3.0314	2.8449	1.3057	-0.026	4.1246
358	91	88.4	1.1342	1.8869	0.0048	3.026	2.8042	1.3001	-0.026	4.0784
359	89.4	87.6	1.1321	1.8855	0.0052	3.0228	2.7606	1.2966	-0.0255	4.0317
360	85.6	86.6	1.1293	1.884	0.0056	3.0189	2.7223	1.294	-0.0243	3.992
361	82.6	85.6	1.1269	1.883	0.0056	3.0156	2.7042	1.2931	-0.0217	3.9756

362	80.2	84.9	1.1247	1.8823	0.0056	3.0126	2.6714	1.2965	-0.021	3.9468
363	80.6	84.1	1.1221	1.8816	0.0057	3.0094	2.6356	1.2972	-0.0223	3.9105
364	80.7	83.7	1.1198	1.8806	0.0056	3.0061	2.604	1.3035	-0.0181	3.8894
365	82.2	83	1.1179	1.8789	0.0057	3.0025	2.5822	1.3014	-0.0146	3.869
366	83.4	82.7	1.1158	1.8779	0.0051	2.9988	2.5498	1.3015	-0.0118	3.8396
367	85	82.1	1.1129	1.8747	0.0051	2.9927	2.5418	1.3025	-0.0085	3.8358
368	82.9	81.4	1.1101	1.8733	0.0047	2.9882	2.516	1.3138	-0.0156	3.8142
369	79.3	80.7	1.1067	1.8725	0.0045	2.9837	2.4674	1.3218	-0.0235	3.7657
370	77.3	80.4	1.1036	1.8698	0.004	2.9775	2.4286	1.312	-0.0233	3.7173
371	77.9	80.3	1.0995	1.8672	0.0042	2.9709	2.393	1.3166	-0.024	3.6856
372	78.9	80	1.0952	1.8653	0.0043	2.9648	2.3315	1.3189	-0.0213	3.629
373	80.5	79.8	1.0917	1.8648	0.0043	2.9609	2.3064	1.3107	-0.0244	3.5927
374	80	79.7	1.089	1.864	0.0042	2.9571	2.2824	1.3038	-0.0298	3.5563
375	83	79.4	1.0866	1.8632	0.004	2.9537	2.2546	1.3082	-0.0318	3.531
376	80.3	79	1.085	1.8615	0.0044	2.9509	2.2542	1.2962	-0.03	3.5205
377	76.2	78.6	1.0835	1.8591	0.0048	2.9475	2.2468	1.2841	-0.028	3.5029
378	75.9	78.2	1.0816	1.8582	0.0054	2.9452	2.2383	1.2751	-0.0232	3.4902
379	81.2	77.9	1.0807	1.8581	0.0055	2.9443	2.2355	1.2678	-0.0228	3.4805
380	80.1	77.7	1.0786	1.8573	0.005	2.9408	2.2293	1.2677	-0.0209	3.4761
381	75.4	77.5	1.0757	1.8557	0.0048	2.9362	2.2244	1.2723	-0.0169	3.4798
382	76	77.2	1.0726	1.8541	0.0045	2.9311	2.2225	1.2634	-0.0181	3.4678
383	78.2	76.9	1.0689	1.853	0.0043	2.9263	2.2098	1.2512	-0.0247	3.4364
384	77.6	76.6	1.0668	1.8508	0.0044	2.922	2.1806	1.2493	-0.0276	3.4022
385	75.6	76.2	1.0653	1.8487	0.0044	2.9184	2.158	1.2485	-0.0288	3.3776
386	76.3	75.7	1.0636	1.8477	0.0043	2.9157	2.1214	1.2518	-0.0305	3.3427
387	75.3	75.4	1.0621	1.846	0.0045	2.9126	2.094	1.2582	-0.0302	3.322
388	74.7	75.2	1.0608	1.8447	0.0047	2.9102	2.0674	1.2713	-0.0341	3.3046
389	73.8	74.6	1.0592	1.8437	0.005	2.9078	2.0357	1.2706	-0.035	3.2712
390	73.5	74	1.0583	1.8431	0.0054	2.9068	2.0325	1.2743	-0.0348	3.272
391	73.1	73.8	1.0582	1.842	0.0056	2.9058	2.0208	1.2821	-0.0391	3.2638
392	75.3	73.5	1.0565	1.8405	0.0059	2.9029	2.0094	1.2807	-0.0387	3.2514
393	74.7	73.2	1.0541	1.8393	0.0061	2.8996	2.0068	1.2856	-0.0396	3.2529
394	75	73	1.0528	1.8388	0.0066	2.8981	1.9628	1.2919	-0.0414	3.2133
395	70.3	72.9	1.0514	1.838	0.0067	2.8961	1.9704	1.2848	-0.0421	3.2131
396	70.8	72.8	1.0494	1.8376	0.0067	2.8937	1.9682	1.2763	-0.043	3.2014
397	72.3	72.7	1.0471	1.8372	0.0065	2.8908	1.9597	1.2541	-0.0338	3.18
398	69.9	72.7	1.0435	1.8363	0.0064	2.8862	1.9654	1.2374	-0.0312	3.1716

399	67.6	72.8	1.0402	1.8362	0.0063	2.8826	1.9725	1.2227	-0.0283	3.1669
400	72.2	72.8	1.0373	1.8354	0.0062	2.8789	1.9838	1.2073	-0.0323	3.1588
401	69.6	72.9	1.0354	1.8344	0.0061	2.8759	1.9996	1.1998	-0.039	3.1604
402	73.6	72.6	1.0342	1.8332	0.0064	2.8738	2.0142	1.195	-0.0388	3.1705
403	73.6	72.4	1.0323	1.8321	0.0068	2.8713	2.0173	1.2007	-0.0321	3.1859
404	73.8	72.2	1.0321	1.8307	0.0069	2.8696	2.0241	1.2125	-0.0232	3.2135
405	73.7	72.3	1.0308	1.8294	0.0068	2.8671	2.0172	1.2167	-0.0203	3.2137
406	74.6	72.4	1.0282	1.8281	0.0063	2.8626	2.017	1.2146	-0.0191	3.2124
407	74.4	72.3	1.0266	1.8272	0.0063	2.8601	1.9961	1.2171	-0.0207	3.1924
408	75.4	72.4	1.0251	1.8259	0.0063	2.8573	1.986	1.2147	-0.021	3.1797
409	73.8	72.7	1.0232	1.8248	0.0064	2.8544	1.9611	1.192	-0.0261	3.127
410	73.6	72.5	1.0211	1.8235	0.0064	2.851	1.9422	1.1874	-0.0267	3.1028
411	70.4	72.5	1.0192	1.8218	0.0066	2.8476	1.934	1.1877	-0.0228	3.0989
412	70.4	72.2	1.0187	1.8206	0.0069	2.8461	1.9171	1.183	-0.0227	3.0775
413	71.2	71.9	1.0179	1.8191	0.0067	2.8437	1.9077	1.1871	-0.0192	3.0755
414	73.3	71.8	1.0149	1.8179	0.0067	2.8396	1.8935	1.1868	-0.0132	3.0671
415	71.5	71.8	1.012	1.8168	0.0064	2.8352	1.8982	1.1871	-0.0179	3.0674
416	71.7	71.6	1.0083	1.8156	0.0063	2.8302	1.9158	1.176	-0.0195	3.0723
417	71.9	71.3	1.0068	1.8143	0.0067	2.8278	1.9218	1.1752	-0.0262	3.0707
418	71.8	71.2	1.0063	1.8128	0.0071	2.8262	1.9121	1.1496	-0.0281	3.0336
419	68.5	71.1	1.0053	1.812	0.0068	2.8241	1.9011	1.1446	-0.031	3.0147
420	69.8	70.9	1.0035	1.8106	0.0066	2.8207	1.8722	1.1548	-0.031	2.9961
421	69.1	70.8	1.0032	1.8091	0.0063	2.8186	1.8474	1.1442	-0.0343	2.9573
422	67.5	70.9	1.0018	1.8082	0.0065	2.8165	1.8175	1.1308	-0.031	2.9173
423	71.6	70.9	1.0008	1.8066	0.0068	2.8143	1.7929	1.1236	-0.0312	2.8853
424	73.1	70.7	0.9976	1.805	0.0069	2.8095	1.7639	1.1348	-0.0315	2.8672
425	70.4	70.7	0.9949	1.8043	0.0064	2.8056	1.7394	1.1446	-0.0366	2.8474
426	69.1	70.6	0.9917	1.803	0.0063	2.801	1.7126	1.1483	-0.0431	2.8177
427	73.5	70.6	0.9905	1.802	0.0062	2.7986	1.7019	1.1481	-0.0385	2.8115
428	71.8	70.6	0.9891	1.8007	0.0067	2.7964	1.7135	1.138	-0.0422	2.8093
429	70.5	70.5	0.9871	1.8	0.0066	2.7937	1.7106	1.1378	-0.0461	2.8023
430	69.2	70.6	0.9847	1.7988	0.0069	2.7904	1.7084	1.145	-0.0444	2.809
431	71.7	70.6	0.9823	1.7981	0.0072	2.7876	1.6873	1.1457	-0.0506	2.7824
432	70.9	70.6	0.9802	1.7978	0.0075	2.7856	1.6698	1.1362	-0.0523	2.7538
433	69.7	70.4	0.9798	1.7968	0.0076	2.7842	1.654	1.1328	-0.0551	2.7317
434	71.6	70.3	0.9793	1.7956	0.0075	2.7823	1.6395	1.1395	-0.0553	2.7238
435	69.8	70.4	0.978	1.7946	0.0076	2.7802	1.6352	1.1267	-0.0536	2.7083

436	71	70.5	0.9773	1.7927	0.0075	2.7776	1.6345	1.113	-0.0575	2.69
437	72.5	70.4	0.976	1.7913	0.0073	2.7746	1.6348	1.115	-0.06	2.6899
438	66.5	70.2	0.9748	1.7902	0.0073	2.7723	1.633	1.1145	-0.0543	2.6932
439	72	70.2	0.9725	1.7887	0.0072	2.7684	1.6328	1.1084	-0.0514	2.6897
440	68.4	70.5	0.9709	1.787	0.0075	2.7654	1.6304	1.1117	-0.0472	2.6949
441	68	70.5	0.9692	1.7856	0.0074	2.7622	1.6348	1.1119	-0.0397	2.707
442	68.6	70.4	0.9671	1.784	0.0075	2.7586	1.6427	1.1126	-0.0382	2.7171
443	71.4	70.3	0.9688	1.7825	0.0077	2.7589	1.6333	1.1121	-0.0347	2.7106
444	71.1	70.3	0.9659	1.781	0.0078	2.7547	1.6187	1.1087	-0.0306	2.6968
445	71.7	70.5	0.964	1.7793	0.0079	2.7513	1.6246	1.1125	-0.0295	2.7076
446	70.5	70.5	0.9624	1.7791	0.0072	2.7487	1.6306	1.1151	-0.0285	2.7171
447	68.8	70.5	0.959	1.7788	0.0069	2.7448	1.63	1.116	-0.0264	2.7196
448	70.8	70.7	0.9559	1.7782	0.0068	2.7409	1.6274	1.1283	-0.0299	2.7259
449	74.4	70.5	0.9535	1.7771	0.007	2.7376	1.6088	1.1321	-0.0349	2.706
450	71.7	70.5	0.9499	1.7757	0.0074	2.733	1.5799	1.1453	-0.0381	2.687
451	68.3	70.4	0.9473	1.7752	0.0075	2.73	1.5689	1.1436	-0.036	2.6765
452	69	70.3	0.9466	1.7746	0.0073	2.7286	1.5735	1.151	-0.0373	2.6871
453	71.7	70.2	0.9445	1.7733	0.007	2.7248	1.5654	1.1477	-0.0331	2.68
454	72.9	70.2	0.9422	1.7717	0.0071	2.721	1.5506	1.1555	-0.0251	2.681
455	71.6	70.3	0.9402	1.7712	0.007	2.7183	1.5717	1.1537	-0.0235	2.7019
456	72.4	70.1	0.939	1.77	0.0069	2.7159	1.6143	1.1489	-0.047	2.7162
457	69.5	69.9	0.9382	1.7684	0.0069	2.7135	1.6231	1.1458	-0.0656	2.7033
458	69.2	69.9	0.9381	1.7677	0.0074	2.7133	1.6116	1.1429	-0.065	2.6896
459	68.3	69.6	0.9379	1.7667	0.0078	2.7125	1.5947	1.1348	-0.0677	2.6619
460	66.1	69.4	0.9359	1.7652	0.0079	2.709	1.5671	1.139	-0.0661	2.64
461	67.2	69.2	0.9352	1.7647	0.0079	2.7079	1.552	1.1416	-0.0602	2.6334
462	68.8	69.2	0.9339	1.7636	0.0075	2.7051	1.5577	1.126	-0.0535	2.6302
463	70.8	69.1	0.9328	1.7629	0.007	2.7027	1.5801	1.125	-0.0482	2.657
464	73.3	69	0.93	1.7619	0.0074	2.6993	1.5932	1.1162	-0.0484	2.661
465	66.1	68.8	0.9263	1.7613	0.0076	2.6952	1.5763	1.115	-0.0471	2.6441
466	66	68.5	0.9236	1.7604	0.0078	2.6918	1.5485	1.1219	-0.0502	2.6202
467	70.8	68.5	0.9217	1.7598	0.0079	2.6894	1.5183	1.1257	-0.0512	2.5927
468	69.2	68.5	0.92	1.7589	0.0078	2.6867	1.5144	1.1244	-0.0451	2.5937
469	67.1	68.5	0.9194	1.757	0.0076	2.6841	1.5268	1.1208	-0.0425	2.6051
470	65.5	68.7	0.9189	1.7554	0.0075	2.6818	1.5604	1.1249	-0.0449	2.6404
471	68.4	68.8	0.9177	1.7541	0.0073	2.6792	1.5561	1.1219	-0.052	2.6261
472	70	68.8	0.9159	1.753	0.0074	2.6763	1.5572	1.1163	-0.0534	2.6201

473	69.9	68.7	0.9153	1.7513	0.0075	2.6741	1.5562	1.1195	-0.0465	2.6292
474	68.1	68.4	0.915	1.7496	0.0078	2.6724	1.5653	1.114	-0.0411	2.6381
475	66.7	68.5	0.9153	1.7483	0.0083	2.6719	1.5525	1.1108	-0.0381	2.6252
476	70.7	68.6	0.9148	1.7467	0.0082	2.6697	1.5315	1.1195	-0.0395	2.6116
477	68.7	68.4	0.9122	1.7453	0.0091	2.6665	1.507	1.1195	-0.0381	2.5884
478	68.4	68.4	0.9105	1.7445	0.01	2.6649	1.5131	1.1257	-0.0367	2.6021
479	68.9	68.4	0.9099	1.7436	0.0099	2.6634	1.5144	1.1427	-0.0464	2.6106
480	69.8	68.4	0.9098	1.7427	0.01	2.6626	1.5102	1.1515	-0.0536	2.6081
481	68.3	68.1	0.9088	1.7421	0.01	2.6608	1.4945	1.1546	-0.0469	2.6022
482	70.2	67.9	0.9072	1.7408	0.01	2.6579	1.4887	1.1542	-0.0414	2.6015
483	66.7	67.8	0.905	1.7391	0.0099	2.6539	1.4816	1.1567	-0.0349	2.6033
484	67.9	67.6	0.9032	1.7381	0.0098	2.6512	1.4846	1.1594	-0.0313	2.6127
485	67.5	67.7	0.9019	1.7374	0.0102	2.6494	1.4902	1.1558	-0.0276	2.6184
486	68.5	67.4	0.9002	1.7362	0.0103	2.6467	1.4822	1.1726	-0.0286	2.6262
487	68.9	67.3	0.8988	1.7346	0.0099	2.6433	1.4815	1.1851	-0.0369	2.6296
488	65.8	67.1	0.8975	1.7339	0.0098	2.6412	1.4708	1.1866	-0.0498	2.6076
489	66	67.1	0.8961	1.7325	0.0097	2.6383	1.4557	1.1743	-0.0578	2.5722
490	63.9	66.7	0.8948	1.7319	0.0093	2.6361	1.433	1.1598	-0.0632	2.5297
491	66.2	66.6	0.8939	1.7307	0.0094	2.634	1.4134	1.1451	-0.0589	2.4996
492	66.4	66.4	0.8931	1.7293	0.0094	2.6318	1.3921	1.1333	-0.0551	2.4703
493	65.4	66.3	0.8922	1.7285	0.0092	2.6299	1.3766	1.124	-0.0534	2.4472
494	67.5	66.1	0.8903	1.7275	0.0095	2.6273	1.408	1.1101	-0.0508	2.4674
495	66	66	0.8883	1.7265	0.0096	2.6244	1.4051	1.1026	-0.0385	2.4693
496	65.8	65.8	0.8864	1.726	0.0093	2.6218	1.4115	1.0941	-0.0338	2.4718
497	66.1	65.5	0.8843	1.7244	0.0095	2.6182	1.4238	1.0968	-0.0392	2.4814
498	67.3	65.3	0.8826	1.7231	0.0099	2.6156	1.41	1.0934	-0.0426	2.4609
499	62.4	65.3	0.8822	1.7217	0.0101	2.6139	1.3842	1.1067	-0.0453	2.4456
500	66.4	65.3	0.8804	1.7211	0.0098	2.6113	1.374	1.1053	-0.0441	2.4351
501	66.8	65.2	0.8781	1.7193	0.0098	2.6072	1.3505	1.0959	-0.042	2.4045
502	65.1	65	0.8777	1.7184	0.0098	2.6058	1.3349	1.0937	-0.0413	2.3872
503	64.6	64.7	0.8773	1.7166	0.0093	2.6032	1.3428	1.0944	-0.0435	2.3937
504	65.2	64.4	0.8749	1.7153	0.0092	2.5994	1.3308	1.1009	-0.0493	2.3824
505	64.1	64.3	0.8694	1.7145	0.0115	2.5955	1.3245	1.0874	-0.0447	2.3672
506	63.9	64	0.8659	1.7135	0.0129	2.5923	1.3153	1.0849	-0.0438	2.3565
507	61.8	63.6	0.8655	1.7129	0.0128	2.5912	1.3226	1.0797	-0.0366	2.3657
508	66	63.4	0.8656	1.7124	0.0131	2.5911	1.3414	1.0682	-0.0403	2.3694
509	64	63.5	0.8665	1.7109	0.013	2.5904	1.3601	1.0657	-0.035	2.3908

510	64.9	63.2	0.8659	1.7093	0.0125	2.5877	1.3683	1.0676	-0.0264	2.4096
511	61.6	62.9	0.8634	1.7092	0.0119	2.5846	1.3578	1.0737	-0.0215	2.4101
512	59.8	62.9	0.8607	1.7081	0.0117	2.5804	1.3501	1.0878	-0.0204	2.4175
513	62.5	62.6	0.8586	1.7075	0.0116	2.5776	1.3396	1.1069	-0.0263	2.4202
514	62.9	62.3	0.8573	1.7064	0.0114	2.5751	1.3442	1.1202	-0.0334	2.431
515	59.9	62.2	0.8571	1.7047	0.0114	2.5732	1.3307	1.114	-0.0304	2.4142
516	60.2	62.1	0.8565	1.7031	0.0114	2.5709	1.3188	1.1193	-0.0262	2.4119
517	61.8	62	0.8553	1.7018	0.0112	2.5684	1.3062	1.1254	-0.0222	2.4094
518	64.8	61.8	0.8536	1.7007	0.0114	2.5657	1.2989	1.129	-0.0212	2.4068
519	60.9	61.5	0.8493	1.6995	0.0113	2.5601	1.2942	1.1299	-0.0241	2.4
520	61	61.3	0.8479	1.6984	0.0118	2.5581	1.305	1.116	-0.0246	2.3963
521	64.7	61.1	0.8475	1.6974	0.0117	2.5566	1.3266	1.0988	-0.0267	2.3987
522	60	61.1	0.8462	1.6963	0.0112	2.5536	1.334	1.0843	-0.0311	2.3873
523	59.5	60.9	0.8443	1.6952	0.011	2.5505	1.3298	1.0967	-0.0312	2.3954
524	62.4	60.7	0.8424	1.6939	0.0107	2.5469	1.3262	1.0987	-0.022	2.4029
525	61	60.7	0.8417	1.6924	0.0104	2.5445	1.3415	1.0923	-0.0217	2.4121
526	61	60.5	0.841	1.691	0.0101	2.5421	1.3672	1.0808	-0.0207	2.4273
527	61.6	60.2	0.8392	1.6894	0.0098	2.5384	1.3837	1.0725	-0.0116	2.4447
528	57.3	59.9	0.8376	1.6864	0.0113	2.5354	1.3737	1.0681	0.0006	2.4423
529	61.2	59.8	0.8361	1.6848	0.0119	2.5329	1.3663	1.0762	0.0105	2.4529
530	58.6	59.5	0.8353	1.6833	0.0116	2.5302	1.3676	1.0965	0.0099	2.474
531	59.2	59	0.8334	1.6827	0.0113	2.5275	1.3577	1.1112	0.0125	2.4814
532	59.9	58.8	0.8321	1.6822	0.011	2.5252	1.3351	1.1285	0.0104	2.474
533	58.7	58.4	0.8314	1.6808	0.0107	2.5229	1.3127	1.1264	0.0024	2.4414
534	58.7	58	0.8303	1.68	0.0102	2.5205	1.2792	1.1198	-0.0113	2.3876
535	56.1	57.5	0.8297	1.6773	0.0105	2.5176	1.2606	1.1175	-0.0207	2.3573
536	57.2	57.1	0.8292	1.6742	0.0112	2.5146	1.2404	1.1016	-0.023	2.319
537	58.3	56.6	0.8289	1.6726	0.0123	2.5138	1.2203	1.0777	-0.0235	2.2745
538	59.2	56.4	0.8293	1.6727	0.0131	2.5151	1.2172	1.0504	-0.0264	2.2412
539	56.3	55.9	0.8292	1.6728	0.0135	2.5155	1.2114	1.0435	-0.0277	2.2272
540	54.9	55.6	0.8296	1.6724	0.0134	2.5154	1.2035	1.0413	-0.0314	2.2134
541	55.6	55.3	0.83	1.6723	0.0129	2.5151	1.1972	1.0424	-0.0407	2.1988
542	52.3	55	0.8294	1.6716	0.0128	2.5139	1.1892	1.0468	-0.0415	2.1944
543	54.1	54.6	0.828	1.6715	0.0128	2.5122	1.1912	1.0322	-0.0388	2.1846
544	52.1	54.3	0.8254	1.6707	0.0117	2.5077	1.194	1.0211	-0.0382	2.1769
545	52.8	54.2	0.8229	1.6699	0.0113	2.5041	1.212	1.0162	-0.0299	2.1983
546	53.4	54	0.82	1.6694	0.0112	2.5006	1.2231	1.0212	-0.0305	2.2138

547	52.3	53.6	0.818	1.6695	0.0112	2.4987	1.2197	1.0262	-0.0316	2.2143
548	52	53.5	0.8175	1.6675	0.0113	2.4963	1.2075	1.0272	-0.028	2.2066
549	52.7	53.4	0.8161	1.6665	0.0114	2.4941	1.2058	1.0293	-0.0225	2.2127
550	53.9	53.1	0.8148	1.6661	0.0116	2.4925	1.2157	1.0218	-0.0234	2.214
551	53.4	52.9	0.8139	1.6658	0.0116	2.4913	1.22	1.017	-0.0265	2.2105
552	51.6	52.8	0.8123	1.6652	0.0117	2.4892	1.2139	1.0066	-0.0239	2.1967
553	53.6	52.6	0.8115	1.6632	0.012	2.4866	1.2248	1.0102	-0.0206	2.2144
554	53.6	52.6	0.8097	1.663	0.0116	2.4843	1.2382	1.0061	-0.0233	2.221
555	53.1	52.5	0.8087	1.6627	0.0113	2.4827	1.2276	1.0126	-0.027	2.2131
556	51.9	52.3	0.8067	1.662	0.0106	2.4793	1.1874	1.0278	-0.0024	2.2128
557	56.9	52.2	0.804	1.6616	0.0109	2.4765	1.1623	1.0295	0.0139	2.2057
558	53.8	52.2	0.8021	1.6612	0.0109	2.4742	1.1719	1.0366	0.0133	2.2218
559	50.6	52.1	0.8011	1.66	0.0105	2.4715	1.1858	1.046	0.0157	2.2475
560	50.7	51.9	0.8002	1.6578	0.0101	2.468	1.2069	1.0441	0.0184	2.2693
561	51.6	51.9	0.8002	1.6559	0.0099	2.4661	1.2184	1.0275	0.0119	2.2578
562	49.7	51.8	0.8	1.6529	0.0101	2.4631	1.2101	1.0333	0.0111	2.2545
563	51.7	51.6	0.7984	1.6509	0.0104	2.4596	1.1934	1.0375	0.0117	2.2426
564	50.6	51.4	0.7969	1.6505	0.0105	2.4579	1.1764	1.0403	0.0115	2.2282
565	50.6	51.1	0.7944	1.6494	0.0102	2.454	1.1735	1.0427	0.0086	2.2247
566	49.8	50.8	0.793	1.6479	0.01	2.4508	1.1915	1.038	0.0106	2.2402
567	51.4	50.3	0.7918	1.6469	0.01	2.4487	1.2011	1.0223	0.0088	2.2322
568	52.1	49.8	0.7906	1.6459	0.0102	2.4467	1.2021	1.0161	0.0085	2.2267
569	49.7	49.7	0.7889	1.6454	0.0101	2.4445	1.1975	1.0121	0.0116	2.2212
570	52.5	49.5	0.7862	1.6455	0.0101	2.4419	1.1582	1.0047	0.0111	2.174
571	50.5	49.3	0.7843	1.6457	0.0104	2.4404	1.149	1.0061	0.0166	2.1717
572	48.8	49.2	0.7829	1.6433	0.0105	2.4367	1.155	1.0076	0.0137	2.1763
573	50.7	48.9	0.7827	1.6415	0.0097	2.4339	1.1477	1.0064	0.0084	2.1626
574	47.3	48.7	0.7809	1.6403	0.01	2.4312	1.1311	1.0195	0.0058	2.1564
575	46.2	48.4	0.7786	1.6403	0.0103	2.4292	1.131	1.0159	0.0031	2.15
576	46.6	48.1	0.7764	1.6395	0.0094	2.4252	1.1392	1.0137	0.0035	2.1564
577	45.7	47.7	0.7748	1.6385	0.009	2.4223	1.1405	1.0043	0.0001	2.1449
578	48	47.3	0.7739	1.6368	0.0089	2.4196	1.1227	0.9939	0.0003	2.1169
579	47.7	47	0.7731	1.6339	0.0089	2.416	1.1256	0.9683	0.0138	2.1077
580	48.1	46.5	0.7741	1.6316	0.0088	2.4145	1.1285	0.9564	0.0191	2.1039
581	46.7	46.1	0.7753	1.6292	0.0089	2.4134	1.1302	0.9482	0.015	2.0934
582	45.8	45.8	0.7759	1.6281	0.0097	2.4138	1.1148	0.9505	0.015	2.0804
583	46.7	45.5	0.777	1.6271	0.011	2.4151	1.1109	0.9516	0.0176	2.08

584	46.1	45.3	0.7772	1.6264	0.0119	2.4154	1.1164	0.9445	0.0198	2.0808
585	44.4	45.2	0.7778	1.6272	0.0125	2.4175	1.112	0.9408	0.0162	2.069
586	43.8	45.1	0.7781	1.6285	0.0126	2.4192	1.1131	0.9255	0.0191	2.0577
587	44	45.1	0.7771	1.6295	0.0125	2.4192	1.1074	0.9213	0.0265	2.0552
588	43.1	44.9	0.7764	1.6296	0.0126	2.4185	1.0946	0.942	0.0333	2.0699
589	43.4	44.9	0.7758	1.6284	0.0128	2.417	1.1034	0.9697	0.0395	2.1125
590	43.2	44.9	0.7751	1.6277	0.0134	2.4162	1.1107	0.9873	0.046	2.1439
591	43.6	44.8	0.775	1.626	0.0136	2.4146	1.1037	1.0093	0.0452	2.1582
592	44.7	44.8	0.774	1.6261	0.0132	2.4133	1.0902	1.0333	0.0383	2.1618
593	43.4	44.8	0.7728	1.6264	0.013	2.4122	1.0823	1.0409	0.0353	2.1585
594	43.4	44.8	0.7691	1.6259	0.0125	2.4075	1.0776	1.0417	0.0325	2.1517
595	44.6	45	0.766	1.6244	0.0126	2.403	1.0637	1.0366	0.02	2.1203
596	45.6	45.1	0.7645	1.6234	0.0125	2.4003	1.042	1.0348	0.0145	2.0914
597	45.9	45.2	0.7636	1.6217	0.0123	2.3975	1.0147	1.0465	0.0131	2.0742
598	47.5	45.4	0.762	1.6202	0.0121	2.3944	1.0025	1.0593	0.0163	2.0781
599	46.6	45.4	0.7606	1.6195	0.0124	2.3925	1.0176	1.0502	0.0224	2.0902
600	45.1	45.5	0.7584	1.6194	0.0125	2.3902	1.0261	1.0548	0.024	2.1049
601	46.8	45.5	0.7567	1.6186	0.0122	2.3876	1.0217	1.0658	0.0285	2.116
602	45.3	45.5	0.7552	1.6174	0.0118	2.3844	1.0205	1.0732	0.0295	2.1232
603	47.3	45.7	0.7535	1.616	0.0116	2.3811	1.0145	1.0728	0.0299	2.1172
604	47.9	45.9	0.7521	1.614	0.012	2.3781	1.0215	1.058	0.0293	2.1087
605	45.5	46	0.7506	1.6118	0.0118	2.3742	0.9976	1.0626	0.0278	2.0881
606	45.9	46.1	0.7497	1.6105	0.0115	2.3717	0.992	1.0577	0.0264	2.076
607	46.5	46	0.7483	1.6092	0.0115	2.369	0.988	1.0618	0.016	2.0657
608	44.6	45.9	0.747	1.6078	0.0115	2.3664	0.9734	1.0612	0.0221	2.0567
609	43.8	45.7	0.7458	1.6065	0.0112	2.3635	0.9762	1.0635	0.0208	2.0606
610	44.7	45.7	0.7441	1.6066	0.0113	2.3619	0.9852	1.0635	0.0149	2.0636
611	43.2	45.6	0.7424	1.6059	0.0108	2.3591	0.9886	1.0425	0.0112	2.0423
612	47.3	45.5	0.7413	1.6043	0.0105	2.3562	1.0033	1.0303	0.0119	2.0455
613	47.2	45.2	0.741	1.6034	0.0104	2.3548	1.0069	1.006	0.0149	2.0278
614	48	45	0.7399	1.6022	0.0106	2.3527	0.9961	0.9928	0.0164	2.0054
615	45.9	45	0.738	1.6008	0.0103	2.3492	0.9924	0.9981	0.0167	2.0072
616	45.3	44.9	0.7364	1.6008	0.0105	2.3477	0.9783	1.0068	0.0136	1.9987
617	45.1	44.7	0.7351	1.6002	0.0104	2.3457	0.9728	1.001	0.0081	1.9819
618	43.8	44.5	0.7339	1.5995	0.0102	2.3436	0.9715	1.0111	0.0101	1.9928
619	44.2	44.4	0.7334	1.599	0.0102	2.3427	0.9703	1.011	0.0125	1.9938
620	44.2	44.4	0.733	1.5978	0.0101	2.3409	0.9553	1.0121	-0.0017	1.9657

621	43.7	44.3	0.732	1.5967	0.0103	2.339	0.9186	1.0137	0.0004	1.9328
622	42.7	44.1	0.7314	1.5956	0.0103	2.3373	0.8935	1.0144	0.0027	1.9106
623	43.7	43.8	0.7311	1.5933	0.0104	2.3348	0.8815	0.9976	0.0024	1.8815
624	45.1	43.5	0.7293	1.5923	0.0104	2.3319	0.8883	0.9922	-0.0051	1.8754
625	44.5	43.2	0.7278	1.591	0.01	2.3288	0.8774	0.9915	-0.0021	1.8668
626	42.6	43	0.7269	1.5906	0.0101	2.3276	0.8614	0.9991	0.0002	1.8606
627	40.8	42.9	0.7269	1.59	0.0098	2.3267	0.848	1.0004	-0.0117	1.8368
628	42.1	42.7	0.7251	1.5896	0.0099	2.3246	0.8399	0.9969	-0.0177	1.8191
629	43.4	42.5	0.7232	1.5892	0.01	2.3225	0.837	0.9859	-0.0206	1.8023
630	43.1	42.4	0.7223	1.5885	0.0101	2.3208	0.8398	0.9634	-0.0254	1.7778
631	42.3	42.3	0.7219	1.5877	0.0098	2.3194	0.8534	0.9402	-0.026	1.7676
632	42.8	42.2	0.721	1.587	0.0092	2.3172	0.8729	0.921	-0.0247	1.7693
633	41.5	42	0.7197	1.5864	0.0087	2.3149	0.8818	0.9172	-0.0167	1.7824
634	40.6	41.9	0.7191	1.5859	0.0086	2.3136	0.9031	0.9112	-0.0004	1.8139
635	41.3	41.8	0.7184	1.5848	0.0086	2.3118	0.9263	0.9059	0.0097	1.8419
636	41.8	41.8	0.7185	1.5821	0.0086	2.3091	0.9407	0.9156	0.0171	1.8734
637	40.6	41.8	0.7194	1.5784	0.009	2.3068	0.9508	0.9257	0.0217	1.8982
638	41.4	41.7	0.7189	1.5758	0.0091	2.3038	0.9518	0.9461	0.0235	1.9214
639	40.9	41.4	0.7182	1.574	0.0089	2.3011	0.9532	0.9611	0.0292	1.9435
640	41.9	41.2	0.7192	1.5715	0.0088	2.2996	0.9487	0.966	0.0349	1.9496
641	40.8	41	0.7209	1.569	0.009	2.299	0.9503	0.9803	0.0419	1.9726
642	41.4	40.7	0.7212	1.5676	0.0093	2.298	0.956	0.9811	0.0369	1.974
643	42.9	40.4	0.7202	1.5673	0.0095	2.297	0.9446	0.9971	0.0346	1.9763
644	42.6	40.3	0.719	1.5671	0.0097	2.2957	0.9363	1.015	0.0337	1.985
645	41.6	40.2	0.7187	1.5664	0.0098	2.2949	0.9004	1.013	0.0255	1.9389
646	41.5	40.1	0.7186	1.5647	0.0099	2.2932	0.8716	1.0035	0.0246	1.8997
647	39.1	40	0.7178	1.5635	0.0095	2.2909	0.8574	0.999	0.0254	1.8818
648	38.9	39.8	0.7157	1.5625	0.0091	2.2873	0.8515	0.987	0.0248	1.8634
649	38.8	39.8	0.7135	1.5611	0.009	2.2836	0.849	0.9872	0.0233	1.8595
650	37.9	39.8	0.7126	1.5595	0.0087	2.2809	0.8465	0.9933	0.0285	1.8682
651	37.3	39.7	0.7118	1.5585	0.0087	2.279	0.841	1.0045	0.0305	1.876
652	36.5	39.7	0.7109	1.5579	0.0087	2.2775	0.8431	1.0042	0.0242	1.8716
653	38.9	39.5	0.7093	1.5574	0.009	2.2757	0.8403	1.0045	0.021	1.8658
654	39	39.2	0.7099	1.5567	0.0088	2.2755	0.8287	0.9918	0.0203	1.8408
655	39.4	39.2	0.7095	1.5569	0.0087	2.2751	0.8236	0.9955	0.0266	1.8456
656	38.9	39.1	0.7079	1.5559	0.009	2.2727	0.824	0.9754	0.0253	1.8247
657	38.8	39.1	0.7067	1.5555	0.0087	2.2709	0.8263	0.971	0.019	1.8162

658	40.7	39.2	0.7045	1.5548	0.0088	2.2681	0.8221	0.9705	0.0151	1.8077
659	40.8	39.2	0.7025	1.5536	0.009	2.2652	0.8144	0.9674	0.012	1.7938
660	40	39.2	0.7013	1.5536	0.0089	2.2638	0.8062	0.9608	0.0082	1.7753
661	40.8	39.4	0.6999	1.5529	0.0088	2.2616	0.7988	0.9574	0.0048	1.7611
662	38.8	39.5	0.6993	1.5523	0.0086	2.2603	0.7865	0.949	-0.0007	1.7348
663	37.8	39.5	0.6987	1.5516	0.0087	2.2591	0.7935	0.9362	-0.0007	1.729
664	40.2	39.4	0.6977	1.5507	0.0088	2.2572	0.8027	0.954	-0.0079	1.7489
665	39.6	39.4	0.6966	1.5487	0.0089	2.2542	0.8003	0.9571	-0.0076	1.7499
666	39.8	39.3	0.6957	1.5478	0.0092	2.2526	0.7921	0.9632	-0.0095	1.7458
667	39.9	39.2	0.6946	1.5458	0.009	2.2494	0.7786	0.9856	-0.011	1.7531
668	40	39	0.6936	1.5448	0.009	2.2473	0.7679	0.9913	-0.011	1.7482
669	38.5	38.9	0.6934	1.5442	0.0103	2.2479	0.7515	0.9961	-0.0108	1.7368
670	39.3	38.6	0.6944	1.5442	0.0101	2.2486	0.7519	0.9899	-0.0093	1.7325
671	39.8	38.3	0.695	1.5442	0.0102	2.2494	0.7542	0.9681	-0.0073	1.715
672	38.9	38.2	0.6948	1.5435	0.0103	2.2486	0.7597	0.9645	-0.0043	1.7199
673	37.2	38.1	0.6939	1.5422	0.0102	2.2463	0.7656	0.9626	-0.0027	1.7255
674	38.5	38	0.6931	1.5412	0.0102	2.2445	0.7824	0.9531	0.0024	1.7379
675	38.2	37.9	0.6924	1.5404	0.0103	2.2431	0.772	0.9644	0.0047	1.7411
676	36.5	37.7	0.6916	1.5394	0.0105	2.2416	0.7563	0.965	0.0026	1.7239
677	36.7	37.5	0.6908	1.5388	0.0108	2.2404	0.7474	0.9746	0.0048	1.7267
678	38.1	37.3	0.6902	1.5383	0.011	2.2394	0.7488	0.9889	-0.0033	1.7343
679	35.5	37.2	0.6891	1.5376	0.0115	2.2382	0.7355	0.9928	-0.0076	1.7207
680	35.1	37	0.6887	1.5376	0.0114	2.2377	0.7264	0.987	-0.0097	1.7037
681	35.7	36.8	0.688	1.5371	0.0114	2.2365	0.7194	0.9805	-0.0114	1.6884
682	36	36.6	0.6877	1.5364	0.0114	2.2356	0.7167	0.9751	-0.0141	1.6777
683	38.1	36.7	0.6867	1.536	0.011	2.2337	0.7188	0.9752	-0.0198	1.6742
684	38.2	36.6	0.6846	1.5358	0.0109	2.2312	0.7124	0.9722	-0.0211	1.6634
685	36.4	36.6	0.6837	1.5357	0.0107	2.2301	0.7107	0.9736	-0.0183	1.666
686	35.9	36.6	0.683	1.5359	0.0105	2.2294	0.7137	0.9811	-0.0138	1.6811
687	36.7	36.5	0.6819	1.5349	0.0102	2.2271	0.7218	0.9779	-0.0118	1.6879
688	35.9	36.4	0.6811	1.5334	0.0096	2.2242	0.7366	0.9561	-0.0109	1.6818
689	35.9	36.4	0.6809	1.5318	0.0093	2.222	0.7382	0.9347	-0.0114	1.6615
690	35.5	36.5	0.6801	1.5296	0.0092	2.2189	0.7342	0.9191	-0.015	1.6383
691	35.7	36.5	0.6794	1.5279	0.0099	2.2172	0.7589	0.8958	-0.0188	1.636
692	39	36.6	0.6796	1.5264	0.0098	2.2157	0.7884	0.8771	-0.0166	1.6488
693	36.8	36.5	0.6792	1.5249	0.0096	2.2137	0.8039	0.8734	-0.0123	1.665
694	37.3	36.3	0.6791	1.5246	0.01	2.2136	0.8053	0.8763	-0.0077	1.6738

695	36.3	36.3	0.6788	1.5241	0.0101	2.213	0.7983	0.8773	-0.0071	1.6685
696	35	36.2	0.6787	1.5235	0.01	2.2122	0.7912	0.8913	-0.0101	1.6724
697	36.2	36.2	0.6784	1.523	0.0098	2.2112	0.7915	0.8961	-0.0117	1.6759
698	36.2	36.2	0.6771	1.5215	0.0098	2.2084	0.7955	0.9037	-0.0159	1.6833
699	36.5	36.2	0.676	1.5202	0.0096	2.2057	0.7895	0.894	-0.0214	1.6621
700	36.5	36.2	0.6743	1.5189	0.0094	2.2026	0.7747	0.8789	-0.0218	1.6318
701	36.4	36.1	0.6724	1.5182	0.0098	2.2004	0.7744	0.8752	-0.0215	1.6281
702	36.3	35.7	0.6712	1.5169	0.0097	2.1978	0.7732	0.8738	-0.0198	1.6272
703	34.8	35.4	0.6706	1.5168	0.0096	2.197	0.7647	0.8782	-0.0165	1.6264
704	36.5	35.2	0.6698	1.5145	0.0093	2.1936	0.7445	0.8747	-0.0144	1.6048
705	35	34.9	0.6682	1.5142	0.0092	2.1917	0.7494	0.8783	-0.0168	1.6109
706	36	34.8	0.667	1.5134	0.0096	2.1901	0.7387	0.8847	-0.0231	1.6004
707	36.2	34.5	0.6661	1.5122	0.01	2.1882	0.7211	0.887	-0.0223	1.5859
708	35.2	34.3	0.6656	1.5111	0.0103	2.187	0.7113	0.8862	-0.0253	1.5722
709	34.9	34	0.6652	1.5104	0.0103	2.186	0.6967	0.881	-0.0246	1.553
710	34.1	33.8	0.6642	1.5108	0.0108	2.1858	0.6858	0.8681	-0.0224	1.5314
711	32.4	33.6	0.6638	1.511	0.0109	2.1856	0.679	0.8772	-0.0248	1.5314
712	31.3	33.4	0.662	1.5107	0.0106	2.1833	0.6687	0.8812	-0.0249	1.525
713	32.3	33.3	0.6607	1.508	0.0112	2.1799	0.6665	0.8829	-0.0243	1.5252
714	32.1	33.1	0.6599	1.5065	0.0113	2.1777	0.6614	0.8854	-0.0235	1.5234
715	31.7	33.1	0.6588	1.5045	0.0113	2.1746	0.659	0.8845	-0.0245	1.519
716	31.3	33	0.6585	1.5023	0.0116	2.1724	0.651	0.8685	-0.0226	1.4969
717	31.5	32.9	0.6583	1.5011	0.0115	2.1709	0.6378	0.8747	-0.0185	1.494
718	31.7	32.9	0.6587	1.4999	0.0113	2.1699	0.6228	0.8748	-0.0226	1.4749
719	31.8	32.7	0.6583	1.5001	0.0111	2.1694	0.6157	0.8715	-0.0223	1.465
720	33.7	32.6	0.6576	1.501	0.0109	2.1694	0.6437	0.8599	-0.0072	1.4964
721	32.6	32.7	0.656	1.5002	0.0107	2.167	0.682	0.8628	-0.006	1.5389
722	32.9	32.8	0.6548	1.4994	0.0106	2.1648	0.7015	0.8665	-0.0044	1.5637
723	32.9	32.8	0.6529	1.498	0.0101	2.161	0.7201	0.8696	-0.0023	1.5874
724	33.9	32.9	0.6521	1.4958	0.0099	2.1578	0.7237	0.8739	0.0022	1.5999
725	34	33.1	0.6522	1.4945	0.0098	2.1565	0.7271	0.8864	0.0061	1.6196
726	34.6	33.2	0.6522	1.4932	0.0096	2.155	0.7235	0.8982	0.0106	1.6322
727	34.9	33.4	0.652	1.4911	0.0101	2.1533	0.722	0.899	0.0118	1.6328
728	31.3	33.4	0.6515	1.4903	0.0107	2.1525	0.7227	0.9056	0.011	1.6393
729	32.9	33.3	0.6506	1.4905	0.011	2.1521	0.7286	0.9066	0.0135	1.6487
730	34.3	33.2	0.6503	1.4905	0.0112	2.152	0.7291	0.9115	0.0174	1.6581
731	33.3	33.2	0.6503	1.4902	0.0112	2.1517	0.7331	0.9229	0.0144	1.6704

732	32.4	33.2	0.6491	1.4895	0.0112	2.1498	0.7258	0.9245	0.0097	1.66
733	33.5	33.3	0.6485	1.4892	0.0109	2.1485	0.7263	0.9219	0.0052	1.6534
734	34.5	33.3	0.648	1.4885	0.0104	2.147	0.7263	0.9287	0.0053	1.6603
735	34.9	33.3	0.6471	1.4867	0.01	2.1437	0.7145	0.9311	0.0062	1.6517
736	33.6	33.2	0.6463	1.4843	0.0098	2.1403	0.716	0.9434	0.0064	1.6659
737	32.4	33.1	0.6458	1.4828	0.0101	2.1386	0.7149	0.9536	0.0033	1.6717
738	30.4	33.2	0.6451	1.4823	0.0103	2.1377	0.7171	0.9574	-0.0011	1.6735
739	31.5	33.2	0.6447	1.4821	0.0104	2.1372	0.7236	0.9509	-0.0054	1.6691
740	33.1	33.1	0.6433	1.4819	0.0107	2.136	0.7341	0.9416	-0.0076	1.6682
741	32.4	33	0.6421	1.4813	0.0107	2.1341	0.7383	0.9284	-0.0094	1.6573
742	34.4	33.1	0.6408	1.4802	0.0105	2.1315	0.7324	0.9233	0.0004	1.6561
743	33.8	33.1	0.6397	1.4797	0.0103	2.1297	0.7414	0.9204	0.0002	1.662
744	34.3	33.1	0.6392	1.4793	0.0104	2.1289	0.7439	0.9202	-0.0008	1.6633
745	33.1	33	0.6395	1.4773	0.0108	2.1277	0.7512	0.9306	0.0011	1.6829
746	32.4	32.9	0.6394	1.4751	0.011	2.1256	0.7658	0.9315	0.0016	1.6988
747	34	32.9	0.6382	1.4732	0.0111	2.1225	0.777	0.9343	-0.003	1.7084
748	32.7	33	0.6368	1.4731	0.0112	2.1211	0.7714	0.9344	0.0016	1.7073
749	31.2	33	0.636	1.4732	0.0112	2.1204	0.7665	0.9337	0.0041	1.7043
750	32.2	33	0.6352	1.472	0.0109	2.1181	0.7687	0.9275	0.0011	1.6973
751	33.7	33.1	0.6345	1.4711	0.0106	2.1162	0.7606	0.9358	0.0026	1.699
752	34.3	33	0.6344	1.4701	0.0104	2.1148	0.743	0.9439	0.0056	1.6926
753	35	32.9	0.6349	1.4699	0.0105	2.1152	0.7385	0.9397	0.0052	1.6834
754	32.5	32.8	0.635	1.4689	0.0105	2.1144	0.7451	0.9532	0.0041	1.7024
755	32.3	32.9	0.6356	1.4684	0.011	2.115	0.7494	0.9383	0.0024	1.6901
756	30.8	32.9	0.6358	1.4672	0.0112	2.1141	0.7362	0.9472	0.0022	1.6855
757	33.6	32.9	0.6356	1.4668	0.0112	2.1136	0.7271	0.9501	0.0061	1.6833
758	32	33	0.6348	1.4667	0.0113	2.1128	0.7214	0.9493	0.0104	1.6811
759	32.9	33.1	0.634	1.4668	0.0112	2.112	0.7266	0.9511	0.0107	1.6884
760	33.6	33.3	0.6334	1.4658	0.0114	2.1106	0.7283	0.9507	0.0087	1.6877
761	32.3	33.3	0.633	1.4648	0.0112	2.1091	0.7245	0.9654	0.0129	1.7028
762	32.3	33.3	0.6326	1.4641	0.0111	2.1078	0.7209	0.9709	0.0191	1.7108
763	32.9	33.3	0.6326	1.4631	0.0111	2.1068	0.7137	0.9774	0.0168	1.7079
764	33.5	33.5	0.6318	1.4623	0.0113	2.1053	0.7174	0.9643	0.0232	1.7049
765	34.1	33.6	0.6315	1.4619	0.0111	2.1045	0.7186	0.9678	0.0249	1.7112
766	32.9	33.8	0.6319	1.4603	0.011	2.1032	0.7144	0.9617	0.0251	1.7012
767	34.5	33.9	0.6324	1.4583	0.0113	2.1019	0.7139	0.9527	0.0304	1.697
768	33.2	34	0.632	1.4576	0.0112	2.1008	0.7119	0.9587	0.0309	1.7014

769	36.5	34	0.6291	1.4582	0.011	2.0982	0.7202	0.9593	0.0292	1.7088
770	33.7	34	0.6262	1.4579	0.0107	2.0947	0.7269	0.9797	0.0293	1.7359
771	34.6	34.2	0.6248	1.4576	0.0106	2.093	0.7282	1.0129	0.0277	1.7688
772	34.5	34.3	0.6228	1.4566	0.0105	2.0898	0.7234	1.0105	0.0262	1.7601
773	35.5	34.3	0.6215	1.4548	0.01	2.0863	0.7141	1.02	0.0215	1.7556
774	35.1	34.4	0.6204	1.4525	0.0096	2.0825	0.7024	1.0172	0.0173	1.7369
775	34.8	34.4	0.6201	1.4505	0.0093	2.0799	0.7057	1.0004	0.0213	1.7274
776	34.7	34.5	0.6194	1.4495	0.0094	2.0783	0.717	0.9935	0.0238	1.7342
777	33.9	34.4	0.6186	1.4482	0.0097	2.0765	0.7305	0.9852	0.022	1.7378
778	32.8	34.4	0.6173	1.4476	0.0096	2.0745	0.7411	0.9719	0.0263	1.7393
779	34.8	34.1	0.6162	1.4465	0.0097	2.0724	0.7485	0.9808	0.0326	1.7619
780	34.5	34.1	0.6154	1.4453	0.01	2.0707	0.7456	1.0089	0.0377	1.7922
781	34.7	34	0.6154	1.4447	0.0104	2.0705	0.7433	1.041	0.0386	1.8229
782	33.4	34	0.6151	1.4442	0.0109	2.0702	0.7456	1.0593	0.0387	1.8436
783	35.4	34	0.6141	1.4431	0.0105	2.0677	0.7397	1.0469	0.0408	1.8274
784	34.5	34	0.6131	1.4427	0.0103	2.0661	0.7361	1.0455	0.038	1.8196
785	33.8	34	0.6121	1.4413	0.0101	2.0636	0.7373	1.0438	0.0356	1.8167
786	32.9	34	0.6116	1.4405	0.0101	2.0623	0.7421	1.0341	0.0307	1.8068
787	32.4	34.1	0.6102	1.4392	0.0103	2.0597	0.7483	1.0266	0.0276	1.8025
788	32.2	34.1	0.6087	1.4384	0.0102	2.0573	0.7522	1.0214	0.0305	1.8042
789	32.9	34	0.6075	1.4376	0.0101	2.0552	0.7598	1.0317	0.0353	1.8269
790	33.5	34	0.6062	1.4368	0.0101	2.0532	0.7631	1.0572	0.0371	1.8575
791	34.7	34	0.6062	1.4356	0.0099	2.0516	0.7506	1.0796	0.0375	1.8677
792	34.6	34	0.6054	1.4343	0.0098	2.0495	0.7296	1.0834	0.0346	1.8476
793	35	34	0.6048	1.4328	0.0097	2.0474	0.7035	1.0756	0.0335	1.8126
794	34.3	33.9	0.6039	1.4316	0.0099	2.0453	0.6886	1.0731	0.0313	1.793
795	35.2	33.9	0.6023	1.4309	0.01	2.0431	0.6863	1.0725	0.0303	1.7891
796	36.1	33.9	0.601	1.43	0.0103	2.0413	0.6969	1.0551	0.0399	1.792
797	32.8	34	0.6013	1.4295	0.0096	2.0404	0.7144	1.0451	0.0463	1.8058
798	33.2	34.1	0.6005	1.4281	0.0094	2.038	0.7154	1.0413	0.0463	1.803
799	35	34.1	0.5991	1.4274	0.0095	2.036	0.7087	1.064	0.0412	1.8138
800	33.9	34.2	0.5982	1.4253	0.0091	2.0327	0.709	1.0754	0.0372	1.8216
801	34.2	34.2	0.5981	1.4238	0.0092	2.0311	0.702	1.0633	0.0331	1.7984
802	34.1	34.2	0.5973	1.4229	0.0092	2.0295	0.7027	1.0565	0.0313	1.7906
803	33.2	34.1	0.5961	1.4215	0.0092	2.0267	0.703	1.0587	0.0285	1.7902
804	33.4	34.1	0.5948	1.4207	0.009	2.0246	0.7094	1.0752	0.0289	1.8135
805	33.6	34.1	0.5946	1.4195	0.009	2.0231	0.7217	1.0768	0.03	1.8285

806	33.6	33.9	0.5943	1.4184	0.009	2.0217	0.7351	1.0782	0.0371	1.8504
807	34	33.9	0.5939	1.4172	0.0089	2.0201	0.7536	1.0655	0.0437	1.8628
808	33.8	33.9	0.5929	1.416	0.0092	2.0181	0.7678	1.0795	0.0471	1.8944
809	35.1	33.9	0.5923	1.4154	0.0095	2.0172	0.7745	1.0917	0.052	1.9183
810	35.3	33.9	0.5917	1.4143	0.0095	2.0155	0.7821	1.1036	0.0556	1.9414
811	33.5	33.9	0.5917	1.4139	0.009	2.0146	0.7857	1.105	0.0619	1.9526
812	34.5	34	0.5906	1.413	0.0089	2.0125	0.7956	1.1071	0.0645	1.9672
813	33.9	33.9	0.5889	1.4116	0.0089	2.0094	0.7993	1.1073	0.0644	1.9709
814	34.1	33.8	0.588	1.4097	0.0088	2.0066	0.8113	1.1217	0.0589	1.9919
815	33.4	33.7	0.5873	1.4083	0.0088	2.0045	0.8154	1.1302	0.0625	2.0081
816	32.8	33.7	0.5871	1.407	0.0086	2.0027	0.8223	1.1487	0.0612	2.0322
817	32.9	33.8	0.5872	1.4052	0.0084	2.0008	0.828	1.1577	0.0584	2.0441
818	34.3	33.8	0.5867	1.4039	0.0084	1.999	0.8301	1.1584	0.0565	2.0451
819	34.9	33.6	0.5856	1.4021	0.0082	1.9958	0.8227	1.167	0.0501	2.0398
820	34.8	33.4	0.5848	1.3997	0.0081	1.9925	0.7908	1.1755	0.0403	2.0066
821	34.1	33.4	0.5837	1.3992	0.0081	1.991	0.759	1.1724	0.0355	1.967
822	32.2	33.3	0.5834	1.3974	0.0084	1.9892	0.742	1.1786	0.0372	1.9578
823	31	33.3	0.5827	1.3963	0.0084	1.9873	0.726	1.1837	0.0312	1.941
824	33.1	33.2	0.5815	1.3958	0.0078	1.9851	0.7152	1.1776	0.0214	1.9141
825	32.9	33.1	0.5805	1.3952	0.0074	1.983	0.6988	1.1573	0.0124	1.8685
826	35.4	33.1	0.5791	1.3946	0.0074	1.9812	0.6901	1.1315	0.0106	1.8322
827	34.9	33.1	0.5779	1.3939	0.0075	1.9793	0.6943	1.1214	0.0189	1.8347
828	30.9	33.1	0.5767	1.3922	0.0074	1.9763	0.7224	1.1147	0.0274	1.8645
829	31.2	33	0.576	1.3896	0.0072	1.9729	0.7232	1.1196	0.0332	1.8759
830	33.1	32.9	0.576	1.3864	0.0073	1.9697	0.7237	1.1222	0.0369	1.8828
831	33	32.9	0.5757	1.3842	0.0074	1.9673	0.7305	1.124	0.0396	1.894
832	33	32.9	0.5751	1.3848	0.0071	1.9671	0.7508	1.1263	0.0493	1.9265
833	32.3	33	0.5749	1.3846	0.0071	1.9666	0.7686	1.1396	0.0558	1.964
834	31.8	33	0.5743	1.3842	0.0069	1.9653	0.7682	1.1494	0.0526	1.9703
835	33.5	32.9	0.5729	1.3833	0.0069	1.963	0.7751	1.1627	0.0538	1.9916
836	33.1	32.8	0.5714	1.3816	0.007	1.96	0.7737	1.1684	0.0538	1.9959
837	33.2	32.6	0.5706	1.3806	0.007	1.9582	0.7788	1.1616	0.0471	1.9875
838	32.8	32.6	0.5691	1.3791	0.0067	1.955	0.7643	1.1534	0.0492	1.9669
839	33.4	32.7	0.5684	1.3764	0.0067	1.9515	0.7533	1.1605	0.0519	1.9656
840	33.8	32.5	0.5683	1.374	0.007	1.9492	0.7544	1.1691	0.0513	1.9749
841	32.9	32.5	0.5691	1.3729	0.0072	1.9493	0.7599	1.1738	0.0526	1.9863
842	32.7	32.4	0.5705	1.3727	0.0072	1.9503	0.771	1.1747	0.0464	1.9921

843	33	32.4	0.5708	1.3724	0.0072	1.9504	0.7811	1.1637	0.0432	1.988
844	31.9	32.4	0.5705	1.3721	0.0073	1.95	0.7799	1.1528	0.0411	1.9738
845	32.3	32.3	0.5699	1.3718	0.0069	1.9485	0.7761	1.1518	0.0402	1.9681
846	31.4	32.3	0.568	1.3706	0.0064	1.945	0.7678	1.1654	0.0416	1.9748
847	31.3	32.3	0.5667	1.369	0.0065	1.9422	0.7633	1.1629	0.0454	1.9717
848	31.8	32.2	0.5659	1.3667	0.0071	1.9397	0.7733	1.1648	0.0385	1.9766
849	30.5	32.1	0.5651	1.3656	0.0075	1.9382	0.776	1.1704	0.034	1.9804
850	31.8	32	0.565	1.3657	0.0076	1.9383	0.7634	1.1805	0.0351	1.979
851	31.8	31.9	0.5642	1.3654	0.0075	1.9372	0.7592	1.1662	0.0366	1.962
852	32.1	31.9	0.5641	1.3642	0.0075	1.9358	0.7648	1.1657	0.0379	1.9684
853	32.7	31.8	0.5639	1.3624	0.0076	1.9339	0.7518	1.1616	0.0352	1.9486
854	31.2	31.8	0.5628	1.3612	0.0075	1.9316	0.7322	1.1593	0.0326	1.924
855	32.8	31.7	0.5621	1.3606	0.0073	1.93	0.7213	1.1662	0.029	1.9165
856	33.8	31.7	0.5604	1.3606	0.0068	1.9279	0.7244	1.1745	0.0264	1.9254
857	30.9	31.7	0.5588	1.3589	0.0065	1.9242	0.7072	1.178	0.0226	1.9077
858	31.3	31.7	0.5573	1.3575	0.0061	1.921	0.6862	1.1873	0.0197	1.8932
859	30.9	31.9	0.5558	1.3565	0.0057	1.9179	0.6704	1.1853	0.0231	1.8788
860	31.7	31.9	0.5548	1.3553	0.0052	1.9154	0.6606	1.2037	0.0277	1.892
861	32.7	31.9	0.5535	1.3541	0.0048	1.9123	0.6537	1.2332	0.0248	1.9118
862	30.7	31.9	0.5527	1.3533	0.0046	1.9107	0.6614	1.2413	0.0151	1.9178
863	31.6	31.9	0.5515	1.3509	0.0052	1.9076	0.6565	1.235	0.0087	1.9002
864	30.8	31.9	0.5502	1.3493	0.005	1.9045	0.6524	1.22	0.0105	1.8829
865	31	31.7	0.5493	1.347	0.005	1.9013	0.665	1.2044	0.0061	1.8755
866	32.3	31.5	0.5491	1.3445	0.0052	1.8988	0.6705	1.1926	0.0009	1.864
867	32.7	31.6	0.5493	1.3424	0.0056	1.8974	0.6753	1.1765	0.0008	1.8526
868	33	31.7	0.5497	1.3409	0.0062	1.8968	0.6826	1.1591	0.0041	1.8459
869	31.8	31.8	0.55	1.3406	0.007	1.8976	0.7005	1.1532	0.007	1.8607
870	32	31.8	0.5503	1.3406	0.0071	1.898	0.7137	1.1475	0.0043	1.8655
871	33	31.8	0.5506	1.3397	0.0069	1.8972	0.7305	1.1368	0.0076	1.8748
872	31.5	31.9	0.5502	1.3382	0.0074	1.8957	0.7359	1.1505	0.0159	1.9022
873	30.9	31.9	0.55	1.3371	0.0078	1.8949	0.7547	1.1351	0.0162	1.906
874	29.5	32.1	0.5505	1.3368	0.0083	1.8957	0.7681	1.1315	0.0122	1.9118
875	31	32.1	0.5511	1.3374	0.0082	1.8967	0.7739	1.1408	0.007	1.9217
876	32.8	32	0.55	1.3374	0.0075	1.8948	0.7759	1.1474	0.002	1.9254
877	32.7	32	0.5463	1.3368	0.0069	1.89	0.7855	1.1543	0.0005	1.9403
878	31.9	32	0.545	1.3356	0.0063	1.8869	0.7965	1.1585	0.0029	1.958
879	31.6	32.2	0.5438	1.3342	0.0061	1.8841	0.8003	1.1605	0.0064	1.9672

880	32.8	32.4	0.5424	1.3329	0.006	1.8813	0.8066	1.1578	0.0079	1.9723
881	33.5	32.5	0.5403	1.332	0.0055	1.8778	0.823	1.1379	0.0128	1.9737
882	32.2	32.6	0.5383	1.3303	0.0053	1.8738	0.8376	1.1383	0.0199	1.9957
883	33.2	32.8	0.5373	1.3282	0.0052	1.8707	0.8413	1.1611	0.0236	2.0261
884	31.9	33.1	0.5356	1.3264	0.0049	1.8669	0.8511	1.1696	0.0217	2.0424
885	30.9	33.3	0.5348	1.3245	0.0047	1.864	0.8531	1.1699	0.0216	2.0447
886	31.4	33.4	0.5337	1.3244	0.0054	1.8635	0.8526	1.171	0.0206	2.0442
887	34.1	33.4	0.5338	1.3238	0.0054	1.863	0.8486	1.1757	0.0195	2.0439
888	34.6	33.4	0.5334	1.3223	0.005	1.8607	0.8489	1.1836	0.0167	2.0492
889	35.3	33.4	0.532	1.3207	0.005	1.8577	0.8445	1.2002	0.0134	2.058
890	35.3	33.5	0.5302	1.3194	0.0049	1.8546	0.8379	1.1918	0.0131	2.0428
891	34.4	33.5	0.5291	1.3181	0.0052	1.8524	0.8403	1.1885	0.0147	2.0434
892	34.4	33.7	0.5273	1.318	0.0054	1.8507	0.8571	1.1978	0.0143	2.0691
893	34.3	33.7	0.5268	1.3176	0.0056	1.85	0.8841	1.2133	0.0132	2.1105
894	35.1	33.8	0.5263	1.3164	0.0058	1.8485	0.9041	1.2166	0.0152	2.1359
895	34.3	34	0.5255	1.3144	0.0058	1.8457	0.9093	1.222	0.0166	2.1479
896	32.8	34.2	0.5247	1.3137	0.0057	1.8442	0.9195	1.2307	0.0106	2.1609
897	32	34.3	0.5239	1.313	0.0058	1.8428	0.9076	1.2279	0.005	2.1404
898	32.3	34.3	0.5229	1.3111	0.006	1.84	0.9052	1.233	0.0072	2.1454
899	35.5	34.3	0.5228	1.3094	0.0059	1.8381	0.9003	1.2237	0.0156	2.1396
900	33.1	34.3	0.5223	1.3087	0.0055	1.8365	0.8958	1.2197	0.0204	2.1359
901	34.6	34.4	0.5216	1.3072	0.0055	1.8343	0.8969	1.2321	0.0203	2.1493
902	34.4	34.4	0.5222	1.3068	0.0057	1.8346	0.9011	1.2394	0.0142	2.1547
903	34.3	34.4	0.5229	1.3055	0.0059	1.8343	0.9198	1.2408	0.008	2.1686
904	34.7	34.5	0.5227	1.304	0.0062	1.8329	0.9379	1.24	0.0105	2.1884
905	34.6	34.6	0.5222	1.3021	0.0064	1.8306	0.9535	1.248	0.0104	2.212
906	35.4	34.7	0.5236	1.3006	0.0067	1.831	0.9592	1.2568	0.0087	2.2247
907	34.8	34.9	0.5253	1.2985	0.007	1.8308	0.9474	1.2695	0.0059	2.2228
908	35.4	35.1	0.5259	1.2975	0.0069	1.8303	0.9456	1.2705	0.0024	2.2186
909	36	35	0.5263	1.295	0.0067	1.828	0.9573	1.2699	-0.0038	2.2234
910	35.5	35.1	0.5264	1.2909	0.007	1.8243	0.9499	1.2818	-0.0051	2.2266
911	34.8	35.1	0.5255	1.2898	0.0075	1.8228	0.9483	1.2791	-0.0084	2.219
912	34.6	35.1	0.5249	1.2895	0.008	1.8224	0.9444	1.2868	-0.0103	2.2209
913	36.5	35.1	0.5237	1.2896	0.0078	1.8211	0.9524	1.2916	-0.0129	2.2312
914	35.3	35.3	0.5215	1.2892	0.0082	1.819	0.9573	1.2772	-0.0086	2.2259
915	35.3	35.4	0.5203	1.2891	0.0087	1.8181	0.9655	1.2708	-0.011	2.2252
916	35.6	35.5	0.5196	1.2894	0.0085	1.8174	0.965	1.2556	-0.0114	2.2093

917	36.3	35.8	0.5189	1.2893	0.008	1.8162	0.9701	1.2467	-0.0089	2.2079
918	34.3	36.1	0.5167	1.2886	0.0077	1.8129	0.9905	1.2495	-0.0024	2.2376
919	34.8	36.3	0.5142	1.2873	0.0078	1.8093	1.0069	1.2516	0.0023	2.2607
920	34.3	36.7	0.5117	1.286	0.0073	1.8051	1.0313	1.2631	0.0105	2.3049
921	34.2	37.1	0.5101	1.2841	0.0065	1.8008	1.0492	1.281	0.0134	2.3436
922	34.9	37.5	0.5079	1.2839	0.0068	1.7986	1.0513	1.2845	0.0097	2.3455
923	37.6	37.8	0.5058	1.2831	0.0072	1.7961	1.0513	1.2737	0.0141	2.339
924	37.4	38.1	0.5041	1.2817	0.0071	1.7929	1.0545	1.2784	0.0216	2.3545
925	37.8	38.3	0.5029	1.2804	0.0072	1.7905	1.0617	1.2957	0.0277	2.3851
926	39.5	38.5	0.5006	1.2792	0.0074	1.7872	1.07	1.3151	0.0258	2.4109
927	41.2	38.9	0.4983	1.2781	0.0072	1.7835	1.0737	1.3376	0.0172	2.4285
928	40.6	39.2	0.4966	1.2762	0.0068	1.7796	1.0519	1.347	0.0133	2.4122
929	41.3	39.5	0.4954	1.2738	0.0064	1.7756	1.0582	1.351	0.0088	2.4179
930	42.6	39.8	0.4937	1.2726	0.0061	1.7723	1.0645	1.3495	0.0073	2.4213
931	42.6	40.3	0.492	1.2704	0.0054	1.7677	1.0594	1.3421	0.0119	2.4133
932	42.2	40.7	0.491	1.2687	0.0048	1.7645	1.041	1.3538	0.0072	2.402
933	41.1	41	0.4898	1.2677	0.0049	1.7623	1.0235	1.3386	0.0021	2.3642
934	39.7	41.2	0.489	1.2672	0.0047	1.7608	1.0198	1.3371	-0.0057	2.3512
935	39.7	41.2	0.4876	1.2662	0.0048	1.7586	1.0235	1.3297	-0.0092	2.344
936	42.5	41.3	0.4866	1.264	0.0051	1.7557	1.0309	1.3172	-0.0125	2.3356
937	40.4	41.2	0.4857	1.2623	0.0053	1.7533	1.0449	1.3238	-0.0016	2.367
938	41.1	41.4	0.4847	1.2591	0.0054	1.7492	1.0561	1.33	0.0036	2.3897
939	40.2	41.3	0.4846	1.2572	0.0054	1.7472	1.0637	1.3367	0.001	2.4014
940	42.7	41.2	0.4842	1.2551	0.0055	1.7449	1.0626	1.3508	0.0016	2.415
941	43.3	41.1	0.4834	1.2532	0.0058	1.7424	1.0489	1.3618	0.0037	2.4145
942	43.1	41	0.4821	1.2513	0.0058	1.7392	1.0407	1.363	0.0089	2.4126
943	41.1	40.9	0.4804	1.2507	0.0057	1.7368	1.0248	1.3777	0.0115	2.4141
944	38.5	41	0.4796	1.2499	0.0057	1.7352	1.034	1.413	0.0123	2.4593
945	40.7	41.1	0.4779	1.2487	0.0058	1.7324	1.0535	1.4106	0.0144	2.4784
946	40.1	41.1	0.4772	1.2478	0.0059	1.7309	1.0623	1.3886	0.0162	2.4671
947	42.9	41.2	0.4762	1.2457	0.0058	1.7277	1.0611	1.4008	0.0191	2.4809
948	40.7	41.1	0.4759	1.2443	0.0056	1.7258	1.0746	1.4036	0.0171	2.4953
949	40.7	41.3	0.4756	1.2437	0.0054	1.7246	1.071	1.3848	0.0138	2.4696
950	40.8	41.4	0.4753	1.2425	0.0056	1.7233	1.07	1.3747	0.0119	2.4565
951	39.1	41.4	0.4741	1.2415	0.0061	1.7217	1.0714	1.3919	0.0054	2.4688
952	40.4	41.4	0.4721	1.2401	0.0067	1.719	1.0773	1.3997	0.0027	2.4797
953	40.9	41.6	0.4701	1.2384	0.0065	1.715	1.0892	1.4104	0.0033	2.5029

954	42.1	42	0.4675	1.2364	0.0065	1.7104	1.1145	1.3966	0.0051	2.5162
955	42.3	42.1	0.4662	1.2349	0.0064	1.7075	1.1338	1.3985	0.0079	2.5402
956	42.6	42.3	0.4657	1.2337	0.0062	1.7056	1.154	1.3954	0.014	2.5633
957	39.5	42.3	0.4642	1.2318	0.0063	1.7023	1.1922	1.3903	0.0206	2.6031
958	43.9	42.5	0.4616	1.2306	0.0065	1.6987	1.2291	1.3719	0.0273	2.6284
959	44	42.7	0.4608	1.2283	0.0062	1.6952	1.2365	1.3949	0.0251	2.6564
960	42.9	42.9	0.46	1.2274	0.0061	1.6935	1.2366	1.4	0.0207	2.6574
961	43.9	43.2	0.459	1.2254	0.0058	1.6903	1.236	1.3794	0.0215	2.637
962	44.8	43.4	0.4575	1.2242	0.0059	1.6876	1.2327	1.3816	0.0273	2.6416
963	45.2	43.7	0.4557	1.2232	0.006	1.685	1.2397	1.3914	0.0307	2.6618
964	43.4	43.9	0.4537	1.2222	0.0061	1.682	1.2404	1.3834	0.0261	2.6499
965	42.7	44	0.4528	1.2214	0.0062	1.6803	1.2371	1.372	0.0261	2.6352
966	44.3	44.1	0.4521	1.2198	0.0061	1.678	1.242	1.39	0.0281	2.6601
967	44.2	44.3	0.4503	1.2175	0.0059	1.6736	1.2487	1.4176	0.0295	2.6958
968	44	44.5	0.449	1.2158	0.006	1.6708	1.2539	1.4222	0.0258	2.7019
969	43.8	44.8	0.4468	1.2143	0.0059	1.6671	1.2426	1.4375	0.022	2.7021
970	45.8	45	0.4453	1.2125	0.0058	1.6637	1.2296	1.4465	0.0197	2.6958
971	43.2	45	0.4455	1.2113	0.0059	1.6627	1.2114	1.4461	0.0108	2.6682
972	47.8	45.1	0.445	1.2108	0.006	1.6618	1.2002	1.4394	0.0019	2.6415
973	45.3	45.2	0.4445	1.2092	0.0057	1.6595	1.1794	1.4509	0.0102	2.6406
974	43.8	45.3	0.4444	1.2072	0.0056	1.6572	1.1674	1.4666	0.0175	2.6515
975	44.3	45.5	0.4441	1.2059	0.0056	1.6556	1.158	1.4965	0.019	2.6734
976	44.8	45.6	0.4426	1.2036	0.0058	1.652	1.1526	1.4907	0.0195	2.6627
977	47.7	45.8	0.4411	1.2021	0.0056	1.6488	1.1416	1.5038	0.0125	2.6579
978	48.8	45.8	0.4392	1.2005	0.0054	1.6451	1.1239	1.4978	0.0048	2.6265
979	46.3	45.8	0.4374	1.1993	0.0053	1.642	1.1201	1.4805	0	2.6006
980	45.3	45.7	0.4364	1.1987	0.0048	1.6399	1.1235	1.4541	-0.0007	2.5769
981	45.6	45.8	0.4362	1.1966	0.0048	1.6376	1.1163	1.45	-0.0019	2.5644
982	46.7	45.7	0.4359	1.1964	0.0051	1.6374	1.111	1.4411	-0.0083	2.5438
983	45.8	45.7	0.4353	1.1944	0.0058	1.6355	1.1149	1.4427	-0.0094	2.5483
984	47.2	45.7	0.4333	1.1934	0.0058	1.6325	1.1228	1.4528	-0.0068	2.5688
985	46.2	45.6	0.4317	1.1928	0.006	1.6304	1.1361	1.4568	-0.0074	2.5855
986	46.9	45.6	0.4292	1.192	0.0056	1.6268	1.1347	1.4591	-0.0084	2.5854
987	45.6	45.5	0.4282	1.1908	0.005	1.6241	1.1499	1.4538	-0.0075	2.5963
988	43.5	45.3	0.427	1.1886	0.0049	1.6206	1.152	1.4589	-0.0009	2.61
989	43.9	45.2	0.4258	1.1856	0.0048	1.6162	1.1452	1.4458	-0.0019	2.5892
990	45.4	45.2	0.4254	1.1832	0.0045	1.6131	1.1432	1.4493	-0.0014	2.591

991	45.2	45.3	0.425	1.1818	0.0043	1.6111	1.1478	1.4503	0.0014	2.5995
992	44.7	45.3	0.4248	1.1802	0.0043	1.6093	1.1541	1.4428	0.0084	2.6053
993	44.4	45.4	0.4234	1.1763	0.0044	1.604	1.1536	1.4408	0.0083	2.6027
994	43.3	45.4	0.421	1.1753	0.0044	1.6007	1.1438	1.4516	0.0045	2.5999
995	43.1	45.5	0.4193	1.1755	0.0042	1.599	1.1402	1.4624	0.0068	2.6094
996	46.4	45.5	0.4186	1.1737	0.0038	1.5961	1.1413	1.4595	0.0089	2.6096
997	44.5	45.5	0.4165	1.1727	0.0041	1.5933	1.1535	1.4639	0.0142	2.6316
998	44.8	45.8	0.4158	1.1726	0.0046	1.593	1.1552	1.4639	0.0111	2.6302
999	46.4	45.9	0.4158	1.1719	0.0048	1.5924	1.1757	1.4534	0.0098	2.6388
1000	46.9	45.9	0.4152	1.1695	0.0049	1.5896	1.1848	1.4572	0.0113	2.6532
1001	46	45.9	0.4139	1.1673	0.0052	1.5863	1.1841	1.4765	0.0136	2.6742
1002	47.5	45.9	0.4132	1.1657	0.0053	1.5843	1.1716	1.4804	0.0174	2.6694
1003	47.4	46	0.4114	1.1659	0.0054	1.5827	1.1519	1.4814	0.0166	2.65
1004	48.4	46.1	0.4093	1.1642	0.0054	1.5789	1.1384	1.4776	0.0074	2.6234
1005	46.7	46.4	0.4068	1.1625	0.005	1.5743	1.1189	1.4659	0.0021	2.5869
1006	46.4	46.3	0.4044	1.1616	0.0046	1.5707	1.1149	1.4551	0.0001	2.57
1007	47.9	46.3	0.4024	1.1613	0.0042	1.5679	1.1152	1.4387	-0.0005	2.5534
1008	47.3	46.4	0.4022	1.158	0.0044	1.5646	1.1126	1.4207	0.0055	2.5387
1009	44.7	46.4	0.4026	1.155	0.0046	1.5622	1.1179	1.4276	0.0124	2.5578
1010	45.8	46.3	0.4028	1.153	0.0049	1.5606	1.1297	1.42	0.0128	2.5625
1011	44.4	46.3	0.4023	1.1516	0.0048	1.5586	1.1272	1.4257	0.0134	2.5663
1012	46.7	46.4	0.401	1.1503	0.005	1.5563	1.1224	1.4142	0.008	2.5446
1013	45.3	46.4	0.3997	1.1513	0.0052	1.5561	1.127	1.4087	0.0063	2.542
1014	47.5	46.3	0.3978	1.152	0.0056	1.5555	1.1284	1.4237	0.0031	2.5552
1015	44.4	46.4	0.3961	1.1501	0.0059	1.5521	1.1164	1.4273	0.0041	2.5478
1016	45.6	46.4	0.3947	1.1476	0.0055	1.5478	1.1194	1.4317	0.0066	2.5577
1017	46.8	46.3	0.3935	1.1471	0.0054	1.546	1.129	1.4296	0.0068	2.5653
1018	46	46.2	0.3924	1.1449	0.0055	1.5427	1.1286	1.4184	0.0055	2.5526
1019	45.3	46.5	0.3912	1.1427	0.0058	1.5397	1.1252	1.4294	0.008	2.5626
1020	46.3	46.7	0.3906	1.1414	0.0063	1.5382	1.1138	1.4402	0.0105	2.5645
1021	48.6	46.9	0.3901	1.1402	0.0063	1.5366	1.0987	1.4474	0.0179	2.5639
1022	47.5	47	0.39	1.1388	0.0058	1.5346	1.1036	1.4668	0.0181	2.5885
1023	46.5	47.1	0.3891	1.1365	0.0054	1.531	1.1067	1.4546	0.0125	2.5738
1024	47.7	47.1	0.3883	1.1321	0.0052	1.5256	1.1164	1.4472	0.0055	2.5692
1025	47.7	47.5	0.3876	1.1313	0.0052	1.5242	1.1235	1.4346	0.0031	2.5611
1026	45.5	47.7	0.3864	1.1288	0.0061	1.5214	1.1251	1.4285	0.005	2.5586
1027	46.1	47.9	0.3859	1.1283	0.0067	1.5209	1.1304	1.4197	0.0048	2.5549

1028	49.6	48	0.3846	1.1282	0.0068	1.5196	1.1328	1.4184	0.0014	2.5525
1029	49.3	48.2	0.383	1.1284	0.0065	1.518	1.1281	1.4134	0.0015	2.543
1030	48.8	48.4	0.3821	1.1276	0.0062	1.5159	1.1262	1.4151	0.0036	2.5449
1031	48.7	48.4	0.3808	1.1263	0.0062	1.5133	1.1274	1.4188	-0.0015	2.5446
1032	47.1	48.5	0.3795	1.1244	0.0057	1.5097	1.1295	1.4116	-0.0053	2.5358
1033	47.7	48.6	0.3775	1.1224	0.0056	1.5054	1.1395	1.4173	-0.0066	2.5502
1034	50.8	48.7	0.3753	1.1215	0.0054	1.5023	1.1447	1.415	0.001	2.5607
1035	49.4	48.6	0.3741	1.1203	0.0057	1.5	1.1339	1.4133	-0.0027	2.5445
1036	51.5	48.7	0.3716	1.1187	0.0058	1.496	1.127	1.4282	-0.0001	2.5551
1037	46.9	48.8	0.3705	1.1164	0.0054	1.4923	1.1196	1.4328	-0.002	2.5505
1038	50.9	48.9	0.3701	1.1145	0.0056	1.4902	1.1219	1.4341	-0.0074	2.5485
1039	48.8	48.8	0.3703	1.1123	0.0055	1.4881	1.1141	1.4366	-0.0076	2.5431
1040	48.6	48.7	0.3695	1.1101	0.0054	1.4849	1.095	1.4241	-0.009	2.5101
1041	49.5	48.7	0.368	1.1089	0.005	1.4819	1.0908	1.4096	-0.0145	2.4858
1042	48.6	48.8	0.3667	1.1072	0.005	1.4789	1.1032	1.4019	-0.0177	2.4874
1043	49	48.8	0.366	1.1056	0.0052	1.4768	1.118	1.3875	-0.0195	2.4861
1044	47.2	48.7	0.3656	1.1036	0.005	1.4742	1.1315	1.3535	-0.0159	2.4692
1045	47.3	48.7	0.3638	1.1028	0.0049	1.4714	1.1216	1.3586	-0.0168	2.4634
1046	47.5	48.5	0.3619	1.1014	0.0045	1.4678	1.1239	1.3677	-0.0199	2.4717
1047	51.3	48.4	0.3607	1.0993	0.0047	1.4647	1.1368	1.3683	-0.0239	2.4812
1048	46.9	48.1	0.3583	1.099	0.0046	1.4619	1.1344	1.378	-0.0269	2.4855
1049	48.1	48.1	0.3571	1.0979	0.0043	1.4593	1.1364	1.4046	-0.0181	2.5229
1050	48.9	48.1	0.3569	1.0948	0.0042	1.4559	1.148	1.4103	-0.0142	2.5441
1051	48	48.1	0.357	1.0935	0.0044	1.4548	1.146	1.4028	-0.0143	2.5345
1052	47.9	48.1	0.3569	1.092	0.005	1.454	1.147	1.3972	-0.0116	2.5327
1053	48.4	48.1	0.3563	1.0906	0.0058	1.4527	1.1543	1.389	-0.0091	2.5342
1054	49.6	48.3	0.3556	1.0898	0.0063	1.4517	1.1414	1.3954	-0.0045	2.5323
1055	47.3	48.4	0.3547	1.0894	0.0064	1.4505	1.1247	1.397	-0.006	2.5156
1056	45.4	48.6	0.3542	1.0898	0.0063	1.4502	1.1092	1.4148	-0.0111	2.5129
1057	45.8	48.5	0.353	1.0898	0.0057	1.4485	1.0939	1.4175	-0.0171	2.4943
1058	49.1	48.7	0.3498	1.0878	0.0053	1.4429	1.0862	1.4226	-0.0218	2.487
1059	47.8	48.7	0.3478	1.0863	0.0049	1.439	1.106	1.4018	-0.0209	2.4869
1060	50.7	48.7	0.3473	1.0849	0.0047	1.4369	1.1181	1.3926	-0.0144	2.4962
1061	48.5	48.8	0.3468	1.084	0.005	1.4358	1.1168	1.3885	-0.0083	2.497
1062	48.9	48.9	0.3448	1.0833	0.0053	1.4334	1.1141	1.3888	-0.0155	2.4874
1063	49.8	49	0.3429	1.0808	0.0057	1.4295	1.1104	1.3954	-0.0118	2.494
1064	49.5	48.9	0.342	1.0794	0.0057	1.4272	1.1155	1.4189	-0.0054	2.529

1065	50.7	49	0.3408	1.0782	0.0055	1.4246	1.1165	1.4417	-0.001	2.5572
1066	50.5	49.1	0.3392	1.0769	0.0054	1.4215	1.1192	1.4349	0.0025	2.5566
1067	49.9	49.2	0.3374	1.0757	0.0053	1.4184	1.1213	1.4209	-0.0007	2.5414
1068	49.5	49.2	0.3365	1.0728	0.0052	1.4145	1.1259	1.4223	-0.0035	2.5448
1069	47.9	49.3	0.3355	1.0703	0.0049	1.4106	1.1322	1.4091	-0.0043	2.537
1070	50	49.1	0.3355	1.0678	0.004	1.4073	1.1287	1.3998	-0.001	2.5274
1071	50.1	49.1	0.3351	1.0646	0.0041	1.4038	1.1295	1.4163	0.0007	2.5465
1072	49.3	49	0.3344	1.0654	0.0047	1.4044	1.1324	1.4064	0.0013	2.54
1073	48.4	48.8	0.3329	1.0645	0.0051	1.4025	1.1372	1.4016	-0.0039	2.5349
1074	48.5	48.7	0.332	1.0638	0.0053	1.4011	1.1366	1.3869	-0.0089	2.5146
1075	48	48.4	0.3316	1.063	0.0051	1.3997	1.1323	1.352	-0.0143	2.4699
1076	48.1	48.3	0.3296	1.0616	0.0053	1.3965	1.1318	1.3513	-0.0106	2.4725
1077	49.1	48.3	0.3279	1.0602	0.0054	1.3935	1.128	1.3402	0.0015	2.4698
1078	49	48.2	0.3264	1.0592	0.0053	1.3908	1.136	1.3586	0.006	2.5006
1079	47.9	48.1	0.3248	1.0578	0.005	1.3875	1.1346	1.3849	0.004	2.5235
1080	47.2	48	0.3237	1.0568	0.005	1.3855	1.125	1.4121	0.0011	2.5382
1081	46.8	47.9	0.3233	1.0555	0.0053	1.3841	1.1232	1.4123	-0.0015	2.5339
1082	46.9	47.9	0.322	1.0547	0.0058	1.3824	1.1188	1.4055	-0.0057	2.5186
1083	46.7	47.8	0.3208	1.0529	0.0057	1.3795	1.1199	1.4039	-0.0138	2.5099
1084	46.6	47.9	0.3199	1.0521	0.0061	1.3781	1.1042	1.3932	-0.0132	2.4842
1085	48.3	48	0.319	1.0499	0.006	1.3749	1.1042	1.3941	-0.0138	2.4846
1086	49.3	48.1	0.3172	1.0487	0.0058	1.3718	1.1179	1.402	-0.0121	2.5078
1087	47	48.1	0.316	1.0474	0.0058	1.3692	1.1199	1.4049	-0.01	2.5148
1088	47.6	48.1	0.3156	1.045	0.0057	1.3663	1.1249	1.4027	-0.0139	2.5137
1089	47.8	48.3	0.3163	1.0432	0.0057	1.3652	1.1311	1.4029	-0.0126	2.5214
1090	47.5	48.4	0.3163	1.0423	0.006	1.3645	1.1389	1.4032	-0.0128	2.5293
1091	48.9	48.5	0.3147	1.0416	0.0061	1.3624	1.1272	1.401	-0.012	2.5162
1092	47.8	48.7	0.313	1.0414	0.0062	1.3607	1.1275	1.4019	-0.0137	2.5156
1093	49.2	48.9	0.3102	1.0409	0.006	1.3571	1.1315	1.3952	-0.0113	2.5154
1094	50.9	49.1	0.3088	1.0395	0.0061	1.3544	1.1437	1.3852	-0.009	2.5199
1095	50.3	49.3	0.3069	1.0387	0.0062	1.3518	1.1627	1.3875	-0.01	2.5402
1096	48.8	49.3	0.3049	1.0368	0.0062	1.3479	1.1564	1.3788	-0.0136	2.5216
1097	49.3	49.5	0.303	1.0349	0.0068	1.3447	1.1456	1.3898	-0.0249	2.5104
1098	50.4	49.7	0.3022	1.0321	0.0064	1.3407	1.1401	1.3891	-0.0262	2.503
1099	49.6	50	0.301	1.0309	0.0062	1.338	1.1263	1.3996	-0.027	2.4989
1100	48.5	50.3	0.3006	1.0293	0.0064	1.3362	1.1238	1.395	-0.0322	2.4866
1101	50.3	50.5	0.2992	1.0275	0.0063	1.3331	1.135	1.3746	-0.0345	2.475

1102	51.3	50.6	0.2978	1.0269	0.0063	1.3309	1.1559	1.3685	-0.0297	2.4946
1103	50.9	50.7	0.2973	1.0263	0.0059	1.3295	1.1807	1.361	-0.0235	2.5181
1104	50.8	50.7	0.2969	1.0245	0.006	1.3273	1.2002	1.3586	-0.017	2.5418
1105	50.1	50.7	0.2959	1.021	0.0061	1.323	1.2116	1.3638	-0.0109	2.5645
1106	50	50.8	0.295	1.0199	0.0064	1.3212	1.2163	1.3734	-0.0096	2.5801
1107	51.5	50.8	0.2938	1.0191	0.0064	1.3192	1.2298	1.3999	-0.0092	2.6206
1108	54.5	50.7	0.2916	1.0178	0.0065	1.3159	1.2606	1.4136	-0.0293	2.6449
1109	53.6	50.7	0.2908	1.0157	0.0061	1.3126	1.59	1.4153	-0.406	2.5994
1110	51.8	50.9	0.2911	1.0141	0.0057	1.3109	1.5689	1.4081	-0.386	2.591
1111	50.2	51	0.2909	1.0127	0.0063	1.3099	1.5692	1.3951	-0.384	2.5803
1112	50.9	51	0.2899	1.0108	0.0061	1.3069	1.5737	1.4004	-0.3777	2.5964
1113	50.3	51	0.2881	1.0094	0.0058	1.3032	1.5634	1.4098	-0.3748	2.5984
1114	51.1	50.9	0.2862	1.0079	0.0057	1.2998	1.5529	1.4066	-0.3711	2.5884
1115	51.1	51	0.2842	1.0066	0.0056	1.2964	1.55	1.4171	-0.3701	2.597
1116	49	51.1	0.2826	1.0055	0.0056	1.2937	1.54	1.434	-0.372	2.602
1117	48.5	51.1	0.2809	1.0049	0.0057	1.2915	1.5258	1.436	-0.3706	2.5912
1118	49.9	51.1	0.2792	1.004	0.0059	1.289	1.5075	1.4364	-0.3656	2.5783
1119	50.9	51.2	0.2784	1.0027	0.0059	1.287	1.5023	1.4253	-0.3694	2.5581
1120	52	51.4	0.2776	0.9998	0.0062	1.2836	1.4977	1.4017	-0.3753	2.5241
1121	52.8	51.6	0.2769	0.9995	0.0062	1.2826	1.5134	1.3957	-0.3827	2.5264
1122	50.8	51.9	0.2763	0.9986	0.0062	1.2811	1.5338	1.3718	-0.3813	2.5243
1123	48.8	52.1	0.2755	0.9978	0.0063	1.2795	1.5381	1.4062	-0.3759	2.5684
1124	52.1	52.2	0.2751	0.9969	0.0066	1.2786	1.5289	1.4218	-0.3701	2.5806
1125	51	52.3	0.2744	0.9962	0.0063	1.277	1.5257	1.4239	-0.3634	2.5862
1126	52.2	52.6	0.2736	0.9948	0.006	1.2744	1.5333	1.4409	-0.3611	2.6131
1127	54.1	53	0.2723	0.9924	0.0061	1.2708	1.5225	1.4482	-0.3586	2.6121
1128	55.7	53.2	0.2712	0.9897	0.0064	1.2672	1.5204	1.4495	-0.355	2.6149
1129	56	53.4	0.2705	0.9872	0.0064	1.2641	1.5145	1.4646	-0.3603	2.6188
1130	54.1	53.4	0.2697	0.9864	0.0064	1.2625	1.5068	1.4566	-0.3688	2.5946
1131	56.1	53.5	0.269	0.9858	0.0068	1.2615	1.5101	1.4641	-0.3673	2.6069
1132	54.1	53.6	0.2675	0.984	0.0071	1.2587	1.5212	1.4642	-0.3567	2.6287
1133	52.2	54	0.2671	0.9831	0.0069	1.257	1.5194	1.4629	-0.3514	2.6309
1134	52.9	54.3	0.2649	0.9821	0.0068	1.2538	1.5254	1.4553	-0.3515	2.6293
1135	55.7	54.4	0.2623	0.9801	0.0069	1.2493	1.5268	1.4595	-0.3476	2.6387
1136	54.9	54.5	0.2596	0.9782	0.0068	1.2446	1.5338	1.4529	-0.3535	2.6331
1137	54.5	54.8	0.258	0.9761	0.0068	1.2409	1.5324	1.4547	-0.3565	2.6306
1138	54.3	54.9	0.257	0.9742	0.0068	1.2381	1.5379	1.4493	-0.354	2.6332

1139	52.6	54.9	0.2564	0.972	0.0068	1.2352	1.5554	1.4415	-0.354	2.6429
1140	54	54.8	0.2567	0.97	0.0066	1.2333	1.5911	1.4371	-0.3533	2.6748
1141	53.9	54.9	0.2553	0.9687	0.0063	1.2303	1.6046	1.4373	-0.347	2.6949
1142	55.8	54.9	0.2535	0.9677	0.0061	1.2274	1.6042	1.4447	-0.345	2.7039
1143	57	55.1	0.2516	0.967	0.0061	1.2248	1.6066	1.4742	-0.3455	2.7354
1144	53.6	55.2	0.2493	0.9649	0.006	1.2202	1.5807	1.5003	-0.3433	2.7377
1145	54.2	55.3	0.2481	0.9649	0.0063	1.2193	1.5716	1.4905	-0.3433	2.7188
1146	59.3	55.3	0.2473	0.9625	0.007	1.2167	1.5602	1.4933	-0.3424	2.7111
1147	57.7	55.3	0.2467	0.9604	0.0073	1.2144	1.5582	1.491	-0.3395	2.7097
1148	55.6	55.3	0.2457	0.959	0.0073	1.212	1.5516	1.4878	-0.3315	2.7079
1149	53.8	55.5	0.2447	0.9584	0.0075	1.2106	1.5544	1.4761	-0.3328	2.6976
1150	56.9	55.7	0.2434	0.9574	0.0077	1.2084	1.5537	1.4806	-0.3352	2.6991
1151	54.9	55.8	0.2414	0.9566	0.0073	1.2053	1.5584	1.4829	-0.3327	2.7086
1152	55.6	55.7	0.2389	0.9559	0.0074	1.2021	1.5615	1.4723	-0.3303	2.7035
1153	55.1	55.6	0.2363	0.9548	0.0075	1.1985	1.5553	1.48	-0.3334	2.7019
1154	56.7	55.8	0.2344	0.9535	0.0073	1.1952	1.5621	1.4967	-0.3342	2.7246
1155	55.7	56.1	0.2331	0.9521	0.0074	1.1925	1.5607	1.4953	-0.3342	2.7218
1156	54.5	56.2	0.2312	0.9498	0.0072	1.1882	1.5615	1.4742	-0.338	2.6978
1157	54.6	56.2	0.2269	0.9484	0.0087	1.184	1.5656	1.481	-0.3436	2.703
1158	55.9	56.3	0.1908	0.9463	0.0458	1.1829	1.5619	1.4648	-0.3449	2.6819
1159	56.9	56.4	0.1909	0.9455	0.0435	1.1799	1.5598	1.4513	-0.3425	2.6686
1160	55.7	56.5	0.1904	0.9453	0.0431	1.1788	1.5596	1.4437	-0.345	2.6583
1161	54.6	56.8	0.1894	0.9439	0.0428	1.1762	1.5701	1.441	-0.3477	2.6634
1162	54.9	56.9	0.1884	0.9423	0.0428	1.1735	1.5716	1.445	-0.341	2.6756
1163	56.8	57.1	0.1876	0.9402	0.0428	1.1706	1.5683	1.4431	-0.3431	2.6683
1164	60	57.2	0.187	0.9377	0.0427	1.1675	1.5594	1.4472	-0.3486	2.658
1165	61.2	57.4	0.1868	0.9348	0.0427	1.1644	1.5436	1.4478	-0.3543	2.6371
1166	58.6	57.8	0.1866	0.9333	0.0425	1.1624	1.5331	1.4462	-0.3574	2.6219
1167	56.6	58.1	0.1867	0.932	0.0419	1.1606	1.5278	1.4477	-0.3562	2.6192
1168	56.9	58.2	0.1863	0.9303	0.0421	1.1587	1.5207	1.4541	-0.3545	2.6203
1169	59	58.3	0.1857	0.9301	0.0424	1.1582	1.511	1.4631	-0.3571	2.617
1170	58.9	58.4	0.1841	0.9282	0.0423	1.1546	1.5097	1.4618	-0.355	2.6166
1171	58.3	58.6	0.1817	0.9274	0.0422	1.1514	1.5162	1.4407	-0.3515	2.6055
1172	59.3	58.9	0.1805	0.9248	0.0423	1.1476	1.5317	1.4559	-0.3482	2.6393
1173	58.9	59	0.18	0.9223	0.0421	1.1445	1.5412	1.4648	-0.3453	2.6606
1174	59.6	58.8	0.1794	0.9214	0.0416	1.1424	1.5524	1.4661	-0.3436	2.6749
1175	61.3	58.6	0.1783	0.9189	0.0412	1.1384	1.5617	1.471	-0.3436	2.6892

1176	59.5	58.5	0.1773	0.9168	0.0411	1.1353	1.5682	1.4807	-0.3489	2.7
1177	58.9	58.6	0.1758	0.9153	0.0409	1.132	1.5747	1.4772	-0.35	2.7019
1178	58.9	58.7	0.1749	0.9127	0.0413	1.129	1.5781	1.4681	-0.3446	2.7016
1179	56.6	58.7	0.1741	0.9121	0.0419	1.128	1.5895	1.4591	-0.3413	2.7073
1180	60.2	58.6	0.1727	0.9104	0.0417	1.1248	1.6013	1.4505	-0.3401	2.7116
1181	59.8	58.6	0.1711	0.9091	0.041	1.1212	1.6039	1.4484	-0.3362	2.7161
1182	57.7	58.6	0.17	0.9084	0.0409	1.1193	1.6118	1.4539	-0.3292	2.7364
1183	57.2	58.5	0.1683	0.9074	0.0409	1.1165	1.604	1.4469	-0.3223	2.7286
1184	56.8	58.6	0.1672	0.9061	0.0409	1.1142	1.6238	1.4526	-0.3255	2.7509
1185	57.5	58.4	0.1656	0.9047	0.0413	1.1116	1.6114	1.4592	-0.3235	2.747
1186	57.8	58.2	0.164	0.9032	0.0414	1.1087	1.5929	1.4545	-0.3234	2.724
1187	58.7	58.1	0.1622	0.9025	0.0412	1.1059	1.5748	1.4568	-0.3255	2.7061
1188	59.2	58	0.1601	0.9008	0.0411	1.102	1.5571	1.4581	-0.3239	2.6913
1189	56.9	58	0.1572	0.8995	0.041	1.0977	1.5497	1.4531	-0.3196	2.6832
1190	57.9	57.9	0.1558	0.8986	0.0407	1.095	1.5507	1.4454	-0.3148	2.6812
1191	60.4	57.9	0.1543	0.8971	0.0406	1.092	1.5651	1.4526	-0.3146	2.7031
1192	57.4	57.9	0.1524	0.894	0.0408	1.0872	1.5589	1.4469	-0.3198	2.686
1193	60.4	57.8	0.1522	0.8909	0.0403	1.0834	1.5478	1.4391	-0.3191	2.6678
1194	58	57.9	0.1516	0.8904	0.0404	1.0825	1.5274	1.4462	-0.3229	2.6507
1195	55.2	58	0.1508	0.8894	0.0404	1.0807	1.4987	1.4494	-0.3301	2.618
1196	57	57.9	0.1491	0.8877	0.0401	1.077	1.5016	1.4592	-0.3287	2.6322
1197	57.5	57.9	0.1479	0.8861	0.0399	1.0739	1.5106	1.4534	-0.3157	2.6483
1198	56.6	57.8	0.1467	0.8845	0.0397	1.071	1.5153	1.4578	-0.31	2.6631
1199	58.5	57.9	0.1456	0.8828	0.0397	1.0681	1.5096	1.4656	-0.3162	2.659
1200	59.1	57.8	0.1447	0.881	0.0396	1.0653	1.5098	1.4647	-0.3129	2.6616
1201	57.8	57.7	0.143	0.8803	0.0394	1.0627	1.5001	1.4619	-0.3126	2.6494
1202	56.4	57.6	0.1423	0.8789	0.0396	1.0607	1.4812	1.4742	-0.3167	2.6387
1203	57.5	57.6	0.1411	0.8767	0.0393	1.057	1.4608	1.4836	-0.3189	2.6255
1204	59.6	57.5	0.1408	0.875	0.0394	1.0551	1.443	1.4786	-0.3182	2.6034
1205	56.4	57.7	0.1397	0.8736	0.0399	1.0532	1.4305	1.4691	-0.3137	2.5859
1206	58.7	57.8	0.1385	0.8718	0.0407	1.0509	1.4213	1.4529	-0.314	2.5602
1207	57.6	57.9	0.1376	0.8726	0.0409	1.051	1.4189	1.4491	-0.314	2.554
1208	58	58	0.1356	0.8727	0.0408	1.0491	1.3833	1.447	-0.3028	2.5275
1209	56.9	57.8	0.1349	0.8714	0.0406	1.0468	1.0363	1.4353	0.0638	2.5354
1210	57.1	57.7	0.1341	0.8701	0.0405	1.0446	1.0443	1.4347	0.0369	2.5159
1211	57.2	57.6	0.1337	0.8682	0.0404	1.0423	1.0539	1.4301	0.0331	2.5172
1212	58.6	57.6	0.1331	0.8665	0.0405	1.04	1.0718	1.4231	0.0311	2.5259

1213	57.9	57.6	0.1322	0.8647	0.0406	1.0374	1.0812	1.4171	0.0303	2.5286
1214	58.2	57.4	0.1318	0.8631	0.0411	1.0361	1.0749	1.4133	0.0342	2.5224
1215	58.4	57.4	0.1308	0.862	0.0414	1.0342	1.0596	1.415	0.0369	2.5116
1216	60.3	57.4	0.1298	0.8607	0.0412	1.0318	1.0569	1.4077	0.0365	2.5011
1217	57.6	57.4	0.1288	0.8595	0.0412	1.0295	1.0628	1.4131	0.0303	2.5062
1218	55.5	57.4	0.1281	0.8576	0.0416	1.0273	1.072	1.4086	0.0165	2.4971
1219	57.5	57.4	0.1274	0.8565	0.0414	1.0253	1.0699	1.3977	0.0161	2.4838
1220	55.6	57.4	0.126	0.8557	0.0413	1.023	1.0609	1.4035	0.017	2.4814
1221	56.8	57.4	0.1237	0.854	0.041	1.0187	1.0441	1.389	0.0174	2.4505
1222	56.5	57.3	0.1222	0.8521	0.0407	1.015	1.0209	1.3943	0.0216	2.4368
1223	55.7	57	0.1202	0.8512	0.0407	1.012	1.0185	1.3697	0.024	2.4122
1224	56.5	56.8	0.1189	0.8498	0.041	1.0097	1.0237	1.3567	0.0234	2.4038
1225	58.2	56.7	0.1176	0.8481	0.0412	1.007	1.0321	1.3667	0.0225	2.4213
1226	58.2	56.4	0.1162	0.8471	0.041	1.0042	1.0369	1.3638	0.0234	2.4241
1227	57.4	56.2	0.1145	0.8456	0.0406	1.0007	1.0434	1.3591	0.0233	2.4258
1228	56.9	56	0.1122	0.8438	0.0405	0.9965	1.0361	1.3647	0.0234	2.4242
1229	57.2	55.8	0.1104	0.8422	0.0404	0.993	1.0333	1.362	0.0346	2.4299
1230	58.3	55.7	0.1093	0.8415	0.04	0.9909	1.0227	1.3675	0.0394	2.4296
1231	55.2	55.6	0.1078	0.8404	0.0397	0.9878	1.0062	1.3606	0.0309	2.3977
1232	53.2	55.3	0.1071	0.8394	0.0393	0.9858	0.9913	1.3533	0.0192	2.3637
1233	54.6	55.3	0.1047	0.8378	0.0394	0.9819	0.9912	1.3548	0.013	2.3589
1234	55.6	55	0.1038	0.8362	0.0392	0.9791	0.9807	1.3561	0.0095	2.3463
1235	54.4	54.6	0.103	0.8346	0.0392	0.9769	0.9799	1.3585	0.0096	2.348
1236	54.2	54.3	0.1021	0.8325	0.0394	0.974	0.9722	1.3675	0.014	2.3537
1237	51.9	54	0.1023	0.8303	0.0392	0.9718	0.9696	1.3668	0.0148	2.3513
1238	53.1	53.8	0.1021	0.8289	0.0388	0.9698	0.9644	1.3597	0.0144	2.3386
1239	54.7	53.6	0.1014	0.8274	0.0383	0.9671	0.9541	1.3542	0.0157	2.324
1240	54.6	53.3	0.1002	0.8247	0.038	0.963	0.9345	1.3454	0.0158	2.2957
1241	51.4	53	0.0994	0.824	0.0383	0.9617	0.9335	1.3397	0.014	2.2872
1242	54	52.8	0.0988	0.8238	0.038	0.9606	0.9247	1.3376	0.0154	2.2778
1243	51.9	52.7	0.0989	0.8224	0.0384	0.9597	0.912	1.3147	0.0148	2.2416
1244	50.7	52.6	0.0994	0.82	0.039	0.9584	0.9211	1.3077	0.0099	2.2388
1245	51.5	52.4	0.098	0.819	0.0391	0.9561	0.9174	1.3291	0.0129	2.2595
1246	52	52.4	0.0963	0.8171	0.0385	0.9519	0.9085	1.3298	0.0154	2.2537
1247	53.3	52.2	0.0951	0.8146	0.0383	0.9481	0.9108	1.3305	0.0147	2.2559
1248	53.3	52.2	0.0947	0.8125	0.0389	0.9461	0.9158	1.3286	0.0143	2.2588
1249	52.1	51.9	0.0937	0.812	0.0388	0.9445	0.9078	1.3255	0.0127	2.246

1250	49.7	51.7	0.0934	0.8112	0.0389	0.9435	0.8908	1.3149	0.014	2.2197
1251	50.3	51.7	0.0932	0.8092	0.039	0.9414	0.8761	1.3146	0.0118	2.2024
1252	52.9	51.5	0.0928	0.8075	0.0393	0.9396	0.8553	1.3205	0.0053	2.1811
1253	52.8	51.4	0.092	0.8069	0.0393	0.9382	1.1149	1.3206	-0.2671	2.1684
1254	51.7	51.4	0.0914	0.8065	0.0387	0.9366	1.3437	1.3193	-0.5013	2.1616
1255	53.1	51.4	0.0909	0.8068	0.0388	0.9365	1.3554	1.314	-0.5124	2.1571
1256	48.8	51.4	0.0893	0.8049	0.0386	0.9328	1.3431	1.3142	-0.508	2.1492
1257	52.5	51.3	0.0886	0.8037	0.0389	0.9312	1.3203	1.3139	-0.499	2.1353
1258	49.2	51.1	0.0872	0.8027	0.0395	0.9294	1.3154	1.3229	-0.4981	2.1403
1259	51.2	51	0.0865	0.802	0.0398	0.9283	1.3145	1.3377	-0.4965	2.1558
1260	51.9	51.2	0.085	0.8023	0.0398	0.9271	1.3161	1.32	-0.4991	2.137
1261	49.9	51.2	0.0823	0.8016	0.0397	0.9236	1.3119	1.3017	-0.4977	2.1159
1262	50.5	51	0.0803	0.8006	0.0398	0.9207	1.3038	1.2889	-0.4955	2.0972
1263	50.5	50.9	0.0801	0.7988	0.0394	0.9184	1.2945	1.2874	-0.4974	2.0845
1264	50.3	50.8	0.0811	0.7962	0.039	0.9163	1.2772	1.2814	-0.4977	2.0608
1265	51.9	50.7	0.0811	0.7941	0.039	0.9143	1.2712	1.2794	-0.4903	2.0604
1266	52.7	50.8	0.0804	0.792	0.0394	0.9118	1.2614	1.2832	-0.4836	2.061
1267	49.4	50.7	0.0795	0.7912	0.0402	0.9109	1.2476	1.2824	-0.4869	2.0431
1268	50.4	50.6	0.0793	0.7905	0.0405	0.9103	1.2385	1.2794	-0.4911	2.0268
1269	52.3	50.4	0.0796	0.7898	0.0407	0.9101	1.6883	1.2639	-0.6815	2.2707
1270	49.9	50.4	0.0797	0.7893	0.0405	0.9096	2.0009	1.2253	-1.0593	2.1669
1271	50.6	50.3	0.0796	0.788	0.0401	0.9077	2.0227	1.2348	-1.102	2.1556
1272	49.3	50.3	0.0787	0.7878	0.0399	0.9064	2.0033	1.2268	-1.0997	2.1303
1273	50.4	50.2	0.0776	0.7867	0.0398	0.9041	1.9955	1.2139	-1.0994	2.11
1274	51	50.2	0.0762	0.7847	0.0393	0.9003	1.9761	1.2113	-1.0975	2.0899
1275	51	49.9	0.0746	0.7826	0.0389	0.896	1.9701	1.207	-1.0963	2.0808
1276	50.1	49.7	0.073	0.7809	0.0388	0.8927	1.9653	1.1967	-1.093	2.069
1277	48.2	49.7	0.0722	0.7788	0.0386	0.8896	1.9621	1.1945	-1.0894	2.0672
1278	48.1	49.5	0.0716	0.7765	0.0379	0.886	1.9585	1.1902	-1.0887	2.06
1279	50.7	49.2	0.0718	0.7754	0.0379	0.8851	1.9433	1.189	-1.0874	2.0449
1280	48.6	49.1	0.0721	0.7743	0.0386	0.885	1.9365	1.1899	-1.0846	2.0419
1281	50.4	49	0.072	0.7737	0.0391	0.8848	1.9378	1.1954	-1.0816	2.0516
1282	49.1	49	0.0709	0.7729	0.0396	0.8834	1.9257	1.1924	-1.0823	2.0357
1283	48.7	48.9	0.0702	0.7718	0.0399	0.8819	1.9167	1.1817	-1.0796	2.0188
1284	46.9	48.7	0.0692	0.7703	0.0399	0.8794	1.8822	1.1873	-1.0786	1.991
1285	48.6	48.6	0.0684	0.7679	0.0399	0.8762	1.8719	1.1888	-1.0842	1.9764
1286	49.3	48.4	0.067	0.7666	0.04	0.8736	1.8666	1.1766	-1.0825	1.9608

1287	47.3	48.3	0.0658	0.7665	0.0397	0.872	1.866	1.1666	-1.0778	1.9547
1288	46.6	48.2	0.0647	0.7654	0.0395	0.8696	1.867	1.1496	-1.0748	1.9418
1289	48	48	0.0637	0.765	0.0394	0.8681	1.8657	1.1509	-1.0737	1.9429
1290	49.1	48	0.0625	0.7646	0.0393	0.8663	1.8626	1.1446	-1.0812	1.926
1291	48.9	47.8	0.0618	0.7634	0.0391	0.8642	1.8587	1.1305	-1.0832	1.906
1292	47.8	47.6	0.0612	0.7625	0.0393	0.863	1.8547	1.1307	-1.0753	1.9101
1293	47.2	47.5	0.0601	0.7601	0.0393	0.8595	1.8541	1.1379	-1.0769	1.9151
1294	49	47.4	0.0599	0.7575	0.0391	0.8565	1.8572	1.1526	-1.0769	1.9329
1295	46.3	47.2	0.06	0.7564	0.0389	0.8553	1.8694	1.1407	-1.0664	1.9437
1296	47.8	47.1	0.058	0.7547	0.0387	0.8514	1.8541	1.136	-1.0646	1.9255
1297	45.6	47.1	0.0563	0.7532	0.0385	0.848	1.8262	1.153	-1.0697	1.9095
1298	47.6	47	0.0559	0.752	0.0385	0.8463	1.8008	1.1333	-1.0768	1.8573
1299	48.8	46.9	0.0565	0.7513	0.0383	0.8461	1.7799	1.1087	-1.0662	1.8224
1300	45.4	46.8	0.0571	0.7495	0.0385	0.8451	1.7603	1.1226	-1.0706	1.8122
1301	45.9	46.7	0.0575	0.7483	0.0388	0.8446	1.7581	1.1266	-1.0685	1.8162
1302	45.7	46.7	0.0308	0.7468	0.0663	0.8439	1.7743	1.104	-1.0677	1.8105
1303	46.2	46.6	0.0067	0.7447	0.0894	0.8409	1.779	1.0913	-1.061	1.8092
1304	44.4	46.5	0.0053	0.7436	0.0906	0.8394	1.78	1.0951	-1.0592	1.8159
1305	47.7	46.3	0.0054	0.7422	0.0907	0.8383	1.7815	1.1057	-1.0659	1.8213
1306	46.2	46.2	0.0064	0.7404	0.0906	0.8374	1.7823	1.1182	-1.0639	1.8366
1307	45	46.1	0.006	0.7403	0.0907	0.837	1.7679	1.1171	-1.0616	1.8234
1308	47	45.8	0.0042	0.7389	0.0904	0.8335	1.7553	1.1275	-1.0527	1.8301
1309	46.2	45.6	0.0033	0.7394	0.0905	0.8331	1.7308	1.1525	-1.0413	1.842
1310	47.9	45.6	0.0029	0.7399	0.0902	0.833	1.72	1.1584	-1.0386	1.8397
1311	47.2	45.6	0.0033	0.7393	0.0899	0.8326	1.7229	1.1744	-1.0381	1.8592
1312	46.3	45.4	0.0037	0.7377	0.0902	0.8316	1.7045	1.1718	-1.0444	1.8319
1313	45.5	45.3	0.0044	0.7365	0.0904	0.8314	1.7057	1.1568	-1.0455	1.817
1314	44.2	45.4	0.0047	0.7352	0.0902	0.83	1.71	1.1435	-1.047	1.8064
1315	44.1	45.3	0.0047	0.7337	0.0897	0.8281	1.7141	1.118	-1.0449	1.7872
1316	43.9	45.1	0.0051	0.7325	0.0899	0.8275	1.7126	1.0998	-1.0434	1.769
1317	43	44.9	0.005	0.7315	0.0903	0.8268	1.7075	1.0856	-1.0389	1.7542
1318	44.1	44.8	-0.0408	0.7313	0.1097	0.8002	1.7064	1.0848	-1.0322	1.7591
1319	45.4	44.6	-0.0727	0.734	0.1473	0.8086	1.7143	1.0972	-1.0296	1.7819
1320	45.8	44.4	-0.0763	0.7322	0.1515	0.8075	1.7031	1.1074	-1.0247	1.7858
1321	43.2	44.2	-0.0766	0.7313	0.151	0.8056	1.6835	1.1153	-1.0277	1.7711
1322	44.6	44.1	-0.0774	0.7307	0.1507	0.804	1.6751	1.1115	-1.0342	1.7525
1323	44.6	44	-0.0774	0.73	0.1504	0.8031	1.6711	1.1197	-1.0386	1.7521

1324	45.8	43.9	-0.0781	0.7291	0.1506	0.8016	1.6622	1.1161	-1.0345	1.7439
1325	42.6	44	-0.0789	0.7285	0.1505	0.8001	1.6484	1.1142	-1.0375	1.7251
1326	42.5	44	-0.08	0.7276	0.1499	0.7975	1.6296	1.086	-1.0398	1.6757
1327	43.8	44	-0.0814	0.7266	0.1495	0.7947	1.6152	1.075	-1.0392	1.651
1328	43.3	44	-0.0821	0.7249	0.1492	0.792	1.6131	1.0582	-1.0422	1.6292
1329	43.4	43.9	-0.0833	0.7232	0.1489	0.7888	1.605	1.043	-1.0508	1.5973
1330	44	43.8	-0.0844	0.722	0.1482	0.7857	1.6123	1.0486	-1.0504	1.6105
1331	43.4	43.8	-0.0848	0.7211	0.1479	0.7843	1.6248	1.0519	-1.0416	1.6351
1332	43.9	43.8	-0.0845	0.7212	0.1473	0.7839	1.6332	1.0521	-1.0331	1.6523
1333	43.5	43.8	-0.0835	0.7191	0.1473	0.7828	1.6252	1.045	-1.0266	1.6436
1334	44.8	43.7	-0.0834	0.7173	0.1476	0.7815	1.6164	1.0457	-1.0219	1.6402
1335	44.4	43.7	-0.0836	0.7169	0.1475	0.7808	1.625	1.035	-1.0187	1.6413
1336	43.2	43.8	-0.0845	0.7158	0.1471	0.7785	1.6245	1.0077	-1.0211	1.611
1337	44.2	43.7	-0.0844	0.7154	0.1467	0.7776	1.6095	1.0149	-1.0232	1.6013
1338	43.7	43.8	-0.0845	0.7138	0.1462	0.7755	1.5976	1.0303	-1.0217	1.6062
1339	43	43.9	-0.0849	0.713	0.1464	0.7745	1.5925	1.0501	-1.0246	1.618
1340	43.9	43.7	-0.0857	0.7117	0.1463	0.7724	1.5812	1.061	-1.0194	1.6228
1341	44.5	43.6	-0.0861	0.7109	0.1459	0.7707	1.5587	1.0794	-1.0194	1.6187
1342	44.4	43.5	-0.0866	0.71	0.1457	0.7691	1.5417	1.0801	-1.0181	1.6036
1343	43.5	43.4	-0.0868	0.7072	0.1461	0.7664	1.5497	1.0878	-1.0156	1.6219
1344	43.7	43.2	-0.0875	0.7059	0.1456	0.764	1.5628	1.0767	-1.0164	1.6231
1345	43.6	43.1	-0.0874	0.7054	0.1456	0.7635	1.564	1.0515	-1.0153	1.6003
1346	41.9	43	-0.0864	0.7018	0.1455	0.761	1.5697	1.0468	-1.0162	1.6004
1347	45.6	42.9	-0.0849	0.7013	0.146	0.7624	1.5479	1.0307	-1.0192	1.5595
1348	44.5	42.9	-0.0833	0.7016	0.1455	0.7639	1.5302	1.0147	-1.0217	1.5231
1349	41.1	42.8	-0.0823	0.6997	0.1459	0.7633	1.534	1.004	-1.0233	1.5146
1350	41.2	42.8	-0.0824	0.6985	0.1458	0.7618	1.5502	0.9973	-1.0223	1.5252
1351	42.2	42.5	-0.0842	0.6988	0.1458	0.7604	1.5562	0.9887	-1.0281	1.5168
1352	41.1	42.2	-0.0851	0.6984	0.1454	0.7587	1.5537	1.0025	-1.0196	1.5366
1353	41.1	42.1	-0.086	0.6974	0.1452	0.7566	1.2765	1.017	-0.7455	1.5479
1354	42.4	42.1	-0.0868	0.696	0.1453	0.7545	1.0318	0.9966	-0.5096	1.5188
1355	42.4	41.9	-0.0873	0.695	0.1452	0.7528	1.0092	0.988	-0.4958	1.5014
1356	42.1	41.9	-0.0875	0.6932	0.1448	0.7504	1.004	0.9864	-0.4927	1.4977
1357	43	41.6	-0.087	0.691	0.1442	0.7482	1.0159	0.9862	-0.4936	1.5084
1358	42	41.3	-0.0859	0.6875	0.1436	0.7452	1.1114	0.9973	-0.4916	1.6172
1359	42.2	41.2	-0.0855	0.6862	0.1437	0.7443	1.2996	0.9884	-0.7168	1.5712
1360	39.8	41.1	-0.0873	0.6849	0.1436	0.7412	1.3884	1.0014	-0.8668	1.5229

1361	39.3	41	-0.0882	0.6845	0.1441	0.7404	1.3896	1.0127	-0.8541	1.5481
1362	41.7	40.9	-0.0902	0.6849	0.1443	0.739	1.3774	1.0208	-0.8547	1.5435
1363	42	40.9	-0.0909	0.6845	0.1441	0.7377	1.3626	1.0127	-0.8555	1.5199
1364	41.4	40.6	-0.0903	0.6844	0.1435	0.7376	1.3675	1.022	-0.8597	1.5298
1365	40.9	40.4	-0.0901	0.6841	0.1434	0.7374	1.3874	1.006	-0.8646	1.5287
1366	40.2	40.2	-0.0904	0.6834	0.1433	0.7363	1.3974	1.0034	-0.8748	1.5261
1367	39.7	40	-0.0911	0.6827	0.1434	0.735	1.4117	0.9968	-0.8729	1.5356
1368	38.8	39.8	-0.0921	0.6808	0.1435	0.7321	1.4116	0.9799	-0.8638	1.5277
1369	38.7	39.6	-0.0907	0.6791	0.1432	0.7315	0.9555	0.9705	-0.6662	1.2598
1370	39.8	39.5	-0.0886	0.6778	0.1433	0.7325	0.6429	0.9951	-0.2889	1.3491
1371	40.4	39.6	-0.0879	0.6768	0.1435	0.7325	0.6108	0.9806	-0.2456	1.3458
1372	39.7	39.4	-0.0884	0.6758	0.1438	0.7312	0.6022	0.9827	-0.25	1.3349
1373	37.8	39.3	-0.0886	0.6751	0.1432	0.7297	0.584	0.9984	-0.2523	1.3302
1374	38	39.2	-0.0886	0.6733	0.1431	0.7278	0.5792	1.0081	-0.2568	1.3306
1375	38	39	-0.0884	0.674	0.1429	0.7284	0.5712	0.9986	-0.2518	1.318
1376	40.2	39	-0.0885	0.6734	0.1427	0.7276	0.563	0.9993	-0.2511	1.3112
1377	36.9	38.9	-0.0891	0.673	0.1428	0.7267	0.5552	1.0024	-0.2525	1.3052
1378	38.2	38.8	-0.0889	0.6722	0.1429	0.7262	0.5371	0.9951	-0.2594	1.2728
1379	39.6	38.6	-0.0894	0.6705	0.143	0.724	0.5248	0.9913	-0.2564	1.2597
1380	40.1	38.6	-0.0904	0.6692	0.1428	0.7215	0.5119	0.9855	-0.2586	1.2389
1381	38.8	38.4	-0.0913	0.6685	0.1424	0.7196	0.5092	0.986	-0.2665	1.2286
1382	39.1	38.4	-0.0916	0.6684	0.1423	0.719	0.507	0.9907	-0.2662	1.2315
1383	39.2	38.4	-0.0914	0.6672	0.1421	0.7179	0.507	1.0101	-0.2719	1.2452
1384	38.8	38.4	-0.0933	0.6668	0.1418	0.7153	0.514	1.0035	-0.2718	1.2457
1385	39.1	38.4	-0.0941	0.6671	0.142	0.7151	0.5027	1.0021	-0.267	1.2377
1386	38.1	38.2	-0.0939	0.6651	0.1423	0.7134	0.4945	1.0118	-0.2684	1.238
1387	36.1	38.3	-0.094	0.6635	0.1419	0.7114	0.498	1	-0.2723	1.2258
1388	35.9	38.3	-0.0946	0.6604	0.142	0.7078	0.509	0.9993	-0.2766	1.2317
1389	38.7	38.2	-0.0944	0.6589	0.1414	0.7059	0.5202	0.9933	-0.2789	1.2346
1390	37.3	38.1	-0.0934	0.6566	0.1412	0.7045	0.526	0.9902	-0.2709	1.2453
1391	39	38.1	-0.0924	0.6554	0.1409	0.7039	0.5213	0.9844	-0.2659	1.2399
1392	38.6	38.1	-0.0938	0.6538	0.1409	0.7008	0.5133	0.9923	-0.2694	1.2362
1393	38	37.9	-0.0962	0.6524	0.141	0.6972	0.509	0.9833	-0.2696	1.2227
1394	37.3	37.8	-0.0965	0.6523	0.1406	0.6965	0.513	0.9686	-0.2653	1.2163
1395	36.6	37.7	-0.097	0.6517	0.1405	0.6953	0.5106	0.9741	-0.2696	1.2151
1396	38.3	37.7	-0.0968	0.6516	0.1406	0.6954	0.5001	0.9822	-0.2665	1.2158
1397	39.3	37.7	-0.0967	0.6518	0.1407	0.6957	0.5002	0.9585	-0.2651	1.1936

1398	37.4	37.8	-0.0975	0.6516	0.1408	0.6949	0.5044	0.9696	-0.2592	1.2149
1399	38.6	37.6	-0.0985	0.6516	0.1405	0.6936	0.5156	0.9795	-0.2615	1.2337
1400	39.1	37.5	-0.0985	0.6506	0.1413	0.6934	0.5187	0.9721	-0.257	1.2338
1401	37.5	37.3	-0.0979	0.648	0.1408	0.6909	0.5149	0.9795	-0.2585	1.2359
1402	36.6	37.1	-0.0969	0.6451	0.1408	0.6891	0.5063	1	-0.2575	1.2488
1403	36.2	37.1	-0.0965	0.6451	0.1404	0.689	0.5031	1.0074	-0.2595	1.251
1404	37.6	36.9	-0.0957	0.6448	0.1402	0.6893	0.5046	1.0121	-0.2659	1.2508
1405	38.3	36.8	-0.095	0.6436	0.14	0.6885	0.5108	0.9988	-0.2679	1.2417
1406	36.7	36.7	-0.0952	0.6418	0.14	0.6866	0.5154	0.9918	-0.2722	1.235
1407	36.3	36.5	-0.1051	0.6406	0.1398	0.6753	0.5236	0.9783	-0.2748	1.2271
1408	36.2	36.5	-0.1258	0.6401	0.1621	0.6764	0.5324	0.9539	-0.2752	1.211
1409	35.8	36.3	-0.1356	0.6392	0.1772	0.6808	0.5403	0.9274	-0.2793	1.1884
1410	34.3	36.2	-0.1361	0.6386	0.1756	0.6782	0.5472	0.9223	-0.2785	1.191
1411	35.3	36.1	-0.1344	0.6372	0.1754	0.6783	0.5258	0.9167	-0.2759	1.1666
1412	36.7	36	-0.1326	0.6365	0.1757	0.6796	0.5052	0.9235	-0.2683	1.1604
1413	34.3	36	-0.1323	0.6343	0.1764	0.6784	0.4707	0.9384	-0.2664	1.1427
1414	35.3	35.8	-0.134	0.6346	0.1766	0.6771	0.4564	0.9546	-0.2665	1.1445
1415	36.7	35.7	-0.135	0.6333	0.1772	0.6755	0.4614	0.9652	-0.277	1.1496
1416	35.5	35.6	-0.1361	0.6328	0.1772	0.6739	0.4802	0.9731	-0.2786	1.1748
1417	35.8	35.5	-0.1362	0.6335	0.1767	0.674	0.4907	0.9709	-0.2772	1.1844
1418	36.5	35.5	-0.1363	0.6342	0.1764	0.6743	0.4817	0.9544	-0.2758	1.1603
1419	36	35.5	-0.137	0.6345	0.1762	0.6737	0.4836	0.9395	-0.2725	1.1507
1420	35.7	35.6	-0.1374	0.6342	0.1761	0.6729	0.4932	0.9365	-0.2752	1.1545
1421	35.2	35.6	-0.1368	0.633	0.176	0.6722	0.5043	0.9343	-0.2716	1.1669
1422	35.3	35.5	-0.1358	0.6309	0.1759	0.671	0.4969	0.9343	-0.2687	1.1625
1423	35	35.5	-0.1353	0.6292	0.1761	0.67	0.4831	0.9404	-0.2644	1.1591
1424	35.8	35.5	-0.1352	0.6292	0.1758	0.6698	0.4857	0.9388	-0.2696	1.1549
1425	35.1	35.4	-0.1352	0.6285	0.1756	0.669	0.4855	0.9137	-0.2701	1.1291
1426	34.7	35.3	-0.1356	0.6274	0.1751	0.667	0.4831	0.9205	-0.2701	1.1335
1427	35.4	35.3	-0.1351	0.6271	0.1754	0.6674	0.4814	0.9268	-0.2702	1.1379
1428	36.4	35.3	-0.1346	0.6257	0.1749	0.666	0.4815	0.9298	-0.2681	1.1432
1429	35.3	35.3	-0.1344	0.6246	0.1747	0.6649	0.4907	0.9264	-0.2629	1.1543
1430	35.4	35.3	-0.1354	0.6234	0.1748	0.6629	0.4876	0.9283	-0.2597	1.1562
1431	34.4	35.3	-0.1355	0.6221	0.1745	0.6611	0.4742	0.9112	-0.2587	1.1267
1432	35.5	35.3	-0.1352	0.6202	0.1745	0.6594	0.4619	0.9091	-0.2602	1.1108
1433	35.4	35.3	-0.1349	0.6187	0.1745	0.6583	0.4581	0.9108	-0.2645	1.1044
1434	34.2	35.3	-0.1337	0.6171	0.1743	0.6577	0.4451	0.9173	-0.2685	1.0939

1435	34.5	35.3	-0.1331	0.6158	0.1743	0.657	0.4079	0.9292	-0.2747	1.0624
1436	35.6	35.2	-0.1343	0.6158	0.1744	0.6559	0.4042	0.9431	-0.2747	1.0725
1437	36.6	35.2	-0.1353	0.6154	0.1743	0.6544	0.42	0.9288	-0.2758	1.073
1438	35.3	35.1	-0.1365	0.6145	0.1741	0.652	0.4316	0.9237	-0.2806	1.0748
1439	36.5	35	-0.1375	0.614	0.1735	0.6499	0.4286	0.901	-0.2819	1.0477
1440	34.4	35	-0.1378	0.6132	0.1729	0.6484	0.4311	0.8881	-0.2924	1.0268
1441	34.7	35	-0.1374	0.6117	0.1728	0.6471	0.444	0.8659	-0.2946	1.0153
1442	36	35	-0.1375	0.6117	0.1727	0.6468	0.4492	0.8531	-0.2959	1.0064
1443	35.9	35	-0.1381	0.6103	0.1726	0.6448	0.4305	0.8375	-0.2937	0.9743
1444	33.8	35	-0.1386	0.6085	0.1726	0.6425	0.405	0.832	-0.2908	0.9462
1445	33.6	35	-0.1375	0.6071	0.1722	0.6419	0.4047	0.8389	-0.2908	0.9528
1446	34.7	35	-0.1364	0.606	0.172	0.6416	0.4073	0.8404	-0.2908	0.9568
1447	34.3	34.8	-0.1354	0.6044	0.1719	0.6409	0.4153	0.8602	-0.2879	0.9876
1448	34.6	34.7	-0.1349	0.6037	0.1717	0.6405	0.4141	0.8648	-0.2859	0.9929
1449	34.8	34.5	-0.1342	0.6025	0.1716	0.6399	0.3975	0.8704	-0.282	0.9858
1450	35.6	34.5	-0.1339	0.6006	0.1716	0.6382	0.3834	0.8781	-0.2798	0.9818
1451	35.4	34.3	-0.1348	0.5988	0.1715	0.6355	0.3731	0.8781	-0.2714	0.9798
1452	34.8	34.1	-0.1354	0.5977	0.1713	0.6336	0.3768	0.863	-0.2797	0.96
1453	33.4	34	-0.1365	0.5962	0.1718	0.6315	0.3899	0.833	-0.2805	0.9424
1454	34.8	34	-0.1379	0.5961	0.1721	0.6303	0.3992	0.8307	-0.283	0.9468
1455	35.4	33.9	-0.1388	0.5958	0.1724	0.6293	0.4101	0.8345	-0.286	0.9585
1456	33.9	33.8	-0.1399	0.5953	0.1722	0.6277	0.4148	0.8309	-0.2864	0.9593
1457	33.5	33.6	-0.1402	0.5956	0.1717	0.6271	0.4164	0.8251	-0.2828	0.9586
1458	32.2	33.5	-0.1399	0.5947	0.1715	0.6264	0.325	0.8268	-0.2826	0.8692
1459	33.2	33.4	-0.1402	0.5939	0.1715	0.6252	0.1202	0.8415	-0.0602	0.9015
1460	32.4	33.2	-0.1399	0.5932	0.1712	0.6245	0.0212	0.8312	0.0937	0.9461
1461	31.7	33.1	-0.1387	0.5921	0.1709	0.6243	0.0223	0.826	0.0807	0.9289
1462	32.9	32.9	-0.1373	0.5911	0.1709	0.6247	0.0393	0.8141	0.0809	0.9344
1463	33.9	32.8	-0.1365	0.589	0.1708	0.6233	0.0606	0.8287	0.0834	0.9727
1464	33	32.6	-0.1365	0.5879	0.1712	0.6226	0.0672	0.8208	0.0924	0.9804
1465	32.2	32.5	-0.1381	0.5868	0.1712	0.6199	0.0549	0.8395	0.0946	0.989
1466	30.8	32.4	-0.1395	0.5863	0.171	0.6179	0.0505	0.8439	0.1011	0.9955
1467	32.9	32.3	-0.1393	0.5872	0.171	0.6189	0.0386	0.8512	0.1005	0.9903
1468	33.4	32.3	-0.1405	0.5869	0.1707	0.6171	0.0389	0.867	0.0997	1.0056
1469	31.3	32.3	-0.14	0.5854	0.1707	0.6161	0.0513	0.8897	0.101	1.042
1470	32.7	32.3	-0.1391	0.5844	0.1705	0.6158	0.0486	0.8969	0.0994	1.0449
1471	31.3	32.4	-0.1376	0.5834	0.1704	0.6162	0.0412	0.8934	0.0988	1.0334

1472	31.7	32.4	-0.1367	0.5818	0.1702	0.6153	0.0312	0.8911	0.0979	1.0202
1473	31.7	32.4	-0.1372	0.5812	0.1702	0.6142	0.0237	0.869	0.096	0.9887
1474	32.7	32.3	-0.1371	0.5819	0.1701	0.6149	0.0259	0.8734	0.0951	0.9944
1475	32.6	32.3	-0.1367	0.5819	0.1699	0.6151	0.0345	0.8837	0.0887	1.007
1476	31.8	32.4	-0.1367	0.5807	0.1697	0.6138	0.0403	0.8805	0.0836	1.0045
1477	32.3	32.3	-0.1372	0.58	0.1696	0.6124	0.035	0.8656	0.0766	0.9773
1478	31.6	32.3	-0.138	0.5796	0.1692	0.6108	0.0519	0.8666	0.0809	0.9995
1479	34	32.3	-0.1382	0.5777	0.1689	0.6084	0.073	0.8562	0.0801	1.0093
1480	32.1	32.2	-0.1378	0.578	0.1686	0.6088	0.0832	0.8466	0.0837	1.0135
1481	32.8	32.4	-0.1375	0.5776	0.1684	0.6085	0.0802	0.8459	0.088	1.0141
1482	33.9	32.5	-0.1374	0.5773	0.1687	0.6086	0.0726	0.8428	0.0858	1.0012
1483	31.7	32.5	-0.1359	0.5755	0.1689	0.6085	0.0733	0.8247	0.0867	0.9847
1484	32.2	32.4	-0.1341	0.5739	0.1692	0.609	0.0759	0.8176	0.0885	0.982
1485	32.3	32.4	-0.1345	0.5728	0.1695	0.6079	0.0874	0.8128	0.087	0.9872
1486	32.3	32.4	-0.1359	0.5722	0.1699	0.6061	0.0862	0.8061	0.0861	0.9784
1487	32.1	32.5	-0.1372	0.5711	0.17	0.6039	0.0694	0.8158	0.0886	0.9737
1488	31.6	32.5	-0.1375	0.5703	0.1701	0.603	0.0619	0.8114	0.0934	0.9667
1489	31.8	32.5	-0.1375	0.5701	0.1706	0.6032	0.0553	0.8069	0.0934	0.9556
1490	33.6	32.5	-0.1378	0.5701	0.1707	0.6029	0.0409	0.811	0.086	0.9378
1491	33.7	32.4	-0.1373	0.5701	0.1705	0.6032	0.0359	0.8178	0.0811	0.9348
1492	31.5	32.3	-0.1369	0.57	0.1702	0.6034	0.035	0.826	0.0787	0.9397
1493	32.3	32.3	-0.1367	0.5692	0.17	0.6026	0.0336	0.8348	0.0789	0.9472
1494	32.3	32.3	-0.137	0.5685	0.1697	0.6012	0.0367	0.8268	0.083	0.9465
1495	32.2	32.2	-0.1377	0.5677	0.1696	0.5996	0.0388	0.8116	0.0829	0.9333
1496	32.9	32.1	-0.1383	0.5656	0.1694	0.5967	0.0513	0.8049	0.0761	0.9324
1497	32.6	32	-0.1381	0.5653	0.1693	0.5964	0.0639	0.8028	0.0725	0.9391
1498	33.1	31.9	-0.1372	0.5645	0.169	0.5963	0.0726	0.7928	0.0717	0.9371
1499	32.6	31.9	-0.1368	0.5638	0.1685	0.5955	0.0799	0.7808	0.0674	0.9281
1500	31.8	31.7	-0.1358	0.5628	0.1684	0.5954	0.0836	0.7751	0.0683	0.9271
1501	31.2	31.5	-0.1355	0.5617	0.1688	0.5949	0.0869	0.7565	0.0739	0.9173
1502	31.5	31.5	-0.1359	0.5618	0.1689	0.5948	0.0776	0.7462	0.0734	0.8972
1503	31.4	31.5	-0.1364	0.562	0.1687	0.5943	0.0677	0.741	0.0761	0.8848
1504	30.7	31.5	-0.1367	0.5613	0.1688	0.5934	0.0583	0.7395	0.079	0.8768
1505	30.7	31.5	-0.1365	0.5605	0.1686	0.5926	0.0497	0.7545	0.0806	0.8847
1506	30.5	31.4	-0.1368	0.5592	0.1683	0.5907	0.0406	0.7619	0.0861	0.8886
1507	30.3	31.4	-0.1376	0.5579	0.1681	0.5884	0.0307	0.7635	0.0863	0.8804
1508	30.3	31.3	-0.1378	0.5559	0.1681	0.5862	0.0253	0.7722	0.0844	0.8819

1509	31.6	31.4	-0.1377	0.5561	0.1678	0.5862	0.0197	0.786	0.0804	0.8862
1510	28.6	31.4	-0.1383	0.556	0.1676	0.5853	0.0179	0.7937	0.0782	0.8898
1511	31.2	31.4	-0.1383	0.5558	0.1673	0.5848	0.0329	0.7932	0.0769	0.903
1512	32.1	31.4	-0.1387	0.5536	0.1674	0.5823	0.0555	0.7872	0.0734	0.9161
1513	33.1	31.4	-0.139	0.5522	0.1671	0.5803	0.0824	0.7872	0.072	0.9416
1514	31.8	31.5	-0.1395	0.5506	0.1672	0.5782	0.0992	0.778	0.0727	0.9498
1515	31.3	31.5	-0.1401	0.5489	0.1671	0.576	0.1006	0.7752	0.0787	0.9545
1516	32	31.5	-0.14	0.5477	0.1672	0.5749	0.0819	0.7658	0.081	0.9287
1517	32.4	31.6	-0.1401	0.5468	0.1667	0.5735	0.0649	0.7613	0.0775	0.9037
1518	33.4	31.7	-0.1414	0.5452	0.1663	0.5701	0.0658	0.7789	0.0808	0.9255
1519	31.8	31.7	-0.1419	0.5448	0.1663	0.5692	0.0531	0.7846	0.078	0.9157
1520	31.8	31.8	-0.1415	0.5448	0.1662	0.5696	0.0546	0.7776	0.0807	0.9129
1521	31.6	31.8	-0.14	0.5439	0.1662	0.5701	0.0813	0.781	0.0782	0.9405
1522	31.3	31.8	-0.1382	0.544	0.1663	0.5721	0.0922	0.7727	0.0793	0.9441
1523	32.3	31.7	-0.1379	0.5419	0.1666	0.5706	0.0868	0.7615	0.0819	0.9302
1524	30.1	31.6	-0.1387	0.5408	0.1669	0.5691	0.0812	0.7689	0.0876	0.9377
1525	31.6	31.5	-0.1392	0.5405	0.1673	0.5685	0.0893	0.7857	0.0881	0.9631
1526	32	31.4	-0.1391	0.5408	0.1675	0.5692	0.0976	0.7939	0.0838	0.9753
1527	32	31.4	-0.1403	0.5404	0.1673	0.5675	0.1016	0.794	0.0814	0.977
1528	31.4	31.2	-0.1419	0.5401	0.1669	0.5651	0.1045	0.7963	0.0817	0.9825
1529	31.8	31.2	-0.1428	0.54	0.1664	0.5636	0.0958	0.7997	0.0735	0.969
1530	31.1	31.1	-0.1434	0.5388	0.166	0.5615	0.093	0.7792	0.0702	0.9424
1531	31.4	31	-0.1427	0.5378	0.166	0.561	0.0939	0.7898	0.0663	0.95
1532	31	31	-0.1426	0.5377	0.1658	0.5609	0.094	0.7971	0.065	0.9561
1533	29.8	31	-0.1425	0.537	0.1656	0.5601	0.0965	0.8012	0.0663	0.9641
1534	29.8	31	-0.1424	0.5358	0.1656	0.559	0.1088	0.7712	0.072	0.952
1535	30.7	30.9	-0.1417	0.5352	0.1657	0.5592	0.122	0.7462	0.0795	0.9478
1536	30.9	30.9	-0.1412	0.5342	0.1655	0.5585	0.1184	0.7395	0.0855	0.9434
1537	30.5	30.8	-0.1415	0.5343	0.165	0.5578	0.1045	0.7391	0.0877	0.9312
1538	31.4	30.7	-0.142	0.5338	0.1647	0.5565	0.0918	0.737	0.0886	0.9174
1539	30.2	30.7	-0.1416	0.5329	0.1649	0.5562	0.091	0.7359	0.0879	0.9148
1540	30.4	30.8	-0.1414	0.5315	0.1648	0.5549	0.0884	0.7362	0.0879	0.9125
1541	31.3	30.8	-0.1409	0.5291	0.1649	0.5531	0.0783	0.7359	0.0881	0.9022
1542	31.3	30.8	-0.1409	0.5282	0.1648	0.5521	0.081	0.7331	0.0888	0.9029
1543	30.5	30.9	-0.1418	0.5276	0.1643	0.5502	0.1001	0.7361	0.0883	0.9245
1544	30.1	31	-0.1424	0.5273	0.1643	0.5492	0.0959	0.7384	0.089	0.9233
1545	30.5	31	-0.1426	0.5267	0.1646	0.5487	0.0913	0.7442	0.0901	0.9256

1546	30.7	31	-0.1428	0.5257	0.1648	0.5477	0.0731	0.7373	0.0901	0.9005
1547	30.2	31	-0.1427	0.5251	0.1647	0.5472	0.0707	0.7293	0.0918	0.8919
1548	31.8	31	-0.1428	0.5256	0.1649	0.5477	0.0605	0.7411	0.0902	0.8919
1549	32.9	31	-0.1425	0.525	0.1647	0.5472	0.0702	0.7392	0.0901	0.8995
1550	30.9	31	-0.1426	0.5249	0.1642	0.5465	0.0776	0.7324	0.0858	0.8958
1551	30.6	30.9	-0.1426	0.5242	0.1642	0.5458	0.0863	0.7321	0.0837	0.9021
1552	32	30.9	-0.1422	0.5236	0.1637	0.5451	0.0833	0.7377	0.0835	0.9045
1553	31.7	30.9	-0.1423	0.5222	0.1639	0.5438	0.0679	0.7531	0.0826	0.9036
1554	30.9	30.9	-0.1428	0.5207	0.164	0.5419	0.0683	0.7686	0.0806	0.9175
1555	30.9	30.9	-0.1429	0.5196	0.1638	0.5405	0.0882	0.7664	0.079	0.9336
1556	31.3	30.9	-0.1429	0.519	0.1636	0.5397	0.1059	0.7557	0.079	0.9406
1557	30.4	30.9	-0.1427	0.5183	0.1633	0.5389	0.1123	0.7496	0.0758	0.9378
1558	30.1	30.9	-0.1419	0.5161	0.1635	0.5377	0.1035	0.7394	0.081	0.9239
1559	30.3	30.8	-0.142	0.5146	0.1637	0.5363	0.0992	0.7276	0.0829	0.9097
1560	30.8	30.8	-0.1432	0.5139	0.1635	0.5342	0.0959	0.74	0.083	0.9189
1561	30.8	30.8	-0.1443	0.5134	0.1636	0.5327	0.0799	0.7529	0.0767	0.9096
1562	29.6	30.7	-0.1456	0.5124	0.1637	0.5305	0.0785	0.7486	0.074	0.9012
1563	31	30.6	-0.1464	0.5112	0.1635	0.5283	0.0746	0.7273	0.0726	0.8745
1564	29.9	30.6	-0.1465	0.5104	0.1633	0.5272	0.0661	0.7117	0.0683	0.8461
1565	30	30.5	-0.1463	0.5102	0.1631	0.527	0.0496	0.6942	0.0668	0.8106
1566	31.6	30.5	-0.146	0.5102	0.1633	0.5275	0.0325	0.6757	0.0603	0.7685
1567	32.1	30.4	-0.1459	0.5094	0.1629	0.5264	0.0328	0.6624	0.056	0.7512
1568	30.3	30.4	-0.1458	0.5084	0.1629	0.5255	0.0344	0.6524	0.0514	0.7382
1569	30.4	30.3	-0.1455	0.5077	0.1626	0.5248	0.024	0.6347	0.0497	0.7083
1570	31.1	30.2	-0.1472	0.5063	0.1627	0.5218	0.0324	0.629	0.0529	0.7144
1571	30	30	-0.1468	0.5062	0.1624	0.5218	0.0435	0.6397	0.0556	0.7388
1572	29.6	30	-0.1454	0.5056	0.162	0.5222	0.0584	0.6401	0.0613	0.7598
1573	30.9	29.9	-0.1453	0.5043	0.1614	0.5204	0.0735	0.6477	0.0639	0.7851
1574	29.9	29.8	-0.1461	0.5034	0.1613	0.5186	0.0819	0.6348	0.0722	0.7888
1575	29.7	29.8	-0.1465	0.5025	0.1615	0.5176	0.0765	0.6259	0.0784	0.7808
1576	30.2	29.7	-0.1468	0.5013	0.1616	0.5161	0.0718	0.6189	0.0823	0.7731
1577	28.7	29.6	-0.1477	0.5004	0.1615	0.5141	0.0685	0.629	0.083	0.7805
1578	28.7	29.5	-0.1476	0.4996	0.1619	0.5139	0.055	0.6409	0.0794	0.7753
1579	28.3	29.4	-0.1475	0.4998	0.1619	0.5142	0.0401	0.6614	0.0761	0.7776
1580	28.8	29.3	-0.1472	0.4991	0.162	0.5138	0.0237	0.6706	0.073	0.7673
1581	28.8	29.3	-0.1469	0.4979	0.1619	0.5129	0.0085	0.6681	0.0709	0.7474
1582	28.4	29.3	-0.1471	0.4972	0.1621	0.5122	0.015	0.6642	0.0708	0.7501

1583	29.1	29.1	-0.1468	0.4984	0.1617	0.5133	0.0217	0.6744	0.0713	0.7674
1584	29.9	29.1	-0.1463	0.4993	0.1613	0.5142	0.0327	0.6713	0.0732	0.7772
1585	28.8	28.9	-0.1463	0.4989	0.161	0.5135	0.0409	0.6699	0.074	0.7849
1586	29.9	28.9	-0.1464	0.4983	0.1611	0.513	0.0482	0.6629	0.0767	0.7878
1587	29.4	29	-0.1463	0.4974	0.1611	0.5122	0.049	0.6495	0.0712	0.7697
1588	28.7	28.9	-0.1466	0.4967	0.1614	0.5115	0.0406	0.656	0.0649	0.7615
1589	29.2	28.9	-0.1463	0.4964	0.1618	0.5119	0.032	0.6543	0.0609	0.7471
1590	29.2	28.8	-0.1456	0.4965	0.1619	0.5127	0.0417	0.6489	0.0602	0.7508
1591	29.9	28.7	-0.1454	0.4967	0.1616	0.5129	0.047	0.6472	0.0618	0.7559
1592	28.1	28.7	-0.1469	0.4964	0.1614	0.5109	0.0447	0.6284	0.0647	0.7377
1593	28.3	28.5	-0.1463	0.4954	0.1611	0.5102	0.0509	0.6167	0.0632	0.7308
1594	27.6	28.4	-0.1461	0.494	0.1607	0.5086	0.0494	0.6124	0.0591	0.7209
1595	30.2	28.3	-0.145	0.494	0.1606	0.5095	0.0449	0.6152	0.0634	0.7235
1596	28.9	28.1	-0.1454	0.4926	0.1602	0.5075	0.039	0.6107	0.0676	0.7173
1597	27.9	28	-0.1442	0.4912	0.1602	0.5072	0.0243	0.6013	0.0714	0.697
1598	27.1	28	-0.1442	0.4906	0.16	0.5064	0.0159	0.5927	0.0707	0.6794
1599	27.5	27.9	-0.1446	0.4905	0.1599	0.5059	0.0175	0.6059	0.0758	0.6992
1600	27.6	27.8	-0.1444	0.4896	0.16	0.5052	0.027	0.6127	0.0752	0.7149
1601	27.3	27.6	-0.1439	0.4879	0.1604	0.5045	0.0309	0.6362	0.0711	0.7382
1602	27.1	27.6	-0.1426	0.4865	0.1606	0.5045	0.029	0.6241	0.0719	0.725
1603	26.8	27.5	-0.1432	0.4852	0.1606	0.5026	0.0294	0.6258	0.0687	0.7239
1604	27	27.4	-0.1455	0.4847	0.1609	0.5001	0.0231	0.6211	0.0678	0.712
1605	27.1	27.2	-0.1471	0.4849	0.1607	0.4985	0.0151	0.6106	0.0712	0.6968
1606	26.8	27.1	-0.148	0.4843	0.1607	0.4969	0.0136	0.6036	0.0715	0.6887
1607	27.8	27	-0.1479	0.4839	0.16	0.496	0.0099	0.5973	0.0699	0.6771
1608	28.2	27.1	-0.1477	0.4832	0.1598	0.4953	0.0175	0.5899	0.064	0.6715
1609	26.8	27	-0.1473	0.4821	0.1595	0.4943	0.0412	0.5676	0.0654	0.6743
1610	26.9	27	-0.1463	0.4807	0.1599	0.4943	0.0523	0.5546	0.0681	0.675
1611	28	26.9	-0.1462	0.481	0.1599	0.4947	0.0384	0.5508	0.0653	0.6545
1612	25.9	26.9	-0.1461	0.4809	0.1601	0.4949	0.0278	0.5418	0.0685	0.6381
1613	26	26.9	-0.1456	0.4811	0.1603	0.4957	0.0216	0.5315	0.0739	0.627
1614	26.7	26.9	-0.1445	0.4812	0.1605	0.4972	0.0147	0.5358	0.0711	0.6215
1615	26.5	26.9	-0.1433	0.4814	0.1611	0.4991	0.0148	0.5491	0.0714	0.6353
1616	26.8	26.8	-0.1433	0.4815	0.1616	0.4998	0.0187	0.5531	0.0763	0.6481
1617	27.2	26.9	-0.1435	0.4816	0.1616	0.4997	0.0228	0.5635	0.0766	0.6629
1618	26.7	26.8	-0.1438	0.4818	0.1613	0.4992	0.0214	0.5566	0.0727	0.6507
1619	27.1	26.8	-0.1451	0.4819	0.161	0.4978	0.0276	0.5433	0.0731	0.6441

1620	26.6	26.7	-0.1458	0.4809	0.1607	0.4957	0.0299	0.5345	0.067	0.6314
1621	27.1	26.7	-0.1458	0.4799	0.1601	0.4942	0.009	0.5231	0.0683	0.6004
1622	26.4	26.7	-0.1455	0.4792	0.1599	0.4936	0.0121	0.5391	0.0677	0.6189
1623	27.3	26.7	-0.1461	0.4784	0.1594	0.4917	0.0232	0.5492	0.0609	0.6333
1624	25.8	26.7	-0.1463	0.4783	0.1591	0.491	0.0173	0.5408	0.0563	0.6144
1625	26.2	26.8	-0.1464	0.4786	0.159	0.4912	-0.001	0.5371	0.056	0.5921
1626	28.1	26.8	-0.1459	0.4779	0.1592	0.4912	-0.0085	0.5343	0.0557	0.5815
1627	26.7	26.7	-0.1458	0.4764	0.1594	0.4899	-0.0034	0.5287	0.0587	0.5839
1628	26.4	26.7	-0.1459	0.474	0.1593	0.4873	-0.0109	0.5206	0.0585	0.5682
1629	26.7	26.7	-0.1451	0.4729	0.1591	0.4868	-0.0109	0.5133	0.0647	0.5671
1630	27	26.6	-0.1442	0.472	0.159	0.4867	-0.0105	0.5152	0.0653	0.5699
1631	26.2	26.5	-0.1442	0.4714	0.1589	0.486	0.0008	0.5194	0.0682	0.5884
1632	26.3	26.6	-0.1447	0.4703	0.1587	0.4842	0.0038	0.5147	0.0692	0.5877
1633	26.9	26.5	-0.1458	0.4698	0.1583	0.4823	-0.0013	0.5104	0.0718	0.5809
1634	27.5	26.5	-0.1465	0.4688	0.1582	0.4805	-0.0019	0.5233	0.0687	0.59
1635	27.7	26.5	-0.1465	0.4689	0.158	0.4804	0.015	0.5398	0.066	0.6207
1636	25.1	26.5	-0.1461	0.4693	0.1584	0.4816	0.0248	0.5426	0.0658	0.6333
1637	26.1	26.5	-0.1456	0.4687	0.1585	0.4816	0.0338	0.5455	0.0718	0.651
1638	26.9	26.5	-0.1452	0.4684	0.1586	0.4818	0.035	0.5428	0.075	0.6528
1639	25.2	26.4	-0.1458	0.468	0.1589	0.4811	0.0349	0.5397	0.0758	0.6504
1640	25.9	26.3	-0.1461	0.4668	0.1586	0.4793	0.0366	0.5489	0.0821	0.6676
1641	26.8	26.3	-0.1454	0.4663	0.1585	0.4794	0.0368	0.5626	0.0859	0.6853
1642	25.7	26.4	-0.146	0.4666	0.1585	0.4791	0.024	0.5652	0.0797	0.669
1643	26.4	26.3	-0.1467	0.4664	0.1584	0.4781	0.0088	0.5653	0.0754	0.6496
1644	26.7	26.2	-0.1469	0.4658	0.158	0.4768	0.0227	0.5589	0.0704	0.652
1645	26.5	26.1	-0.1465	0.4656	0.1579	0.477	0.0311	0.5341	0.0642	0.6294
1646	26.8	26.1	-0.1452	0.4656	0.1576	0.478	0.0436	0.5262	0.065	0.6348
1647	26.9	26.1	-0.1442	0.4658	0.1577	0.4792	0.0258	0.52	0.0621	0.6079
1648	24.9	26	-0.1446	0.465	0.1574	0.4778	0.0298	0.5154	0.0633	0.6085
1649	25.9	26.1	-0.1452	0.4637	0.1572	0.4757	0.0332	0.5177	0.065	0.616
1650	25.3	26.1	-0.1457	0.4613	0.1571	0.4727	0.0323	0.5224	0.0686	0.6232
1651	27.5	26	-0.1455	0.4618	0.157	0.4733	0.0268	0.5177	0.0713	0.6157
1652	25.3	26	-0.1451	0.461	0.1569	0.4727	0.0293	0.5128	0.0798	0.6219
1653	26	25.9	-0.1446	0.4601	0.1572	0.4726	0.0436	0.5042	0.0872	0.635
1654	25	25.9	-0.1443	0.4596	0.1569	0.4722	0.0339	0.498	0.0882	0.6201
1655	25.3	25.9	-0.1443	0.4592	0.1566	0.4716	0.0027	0.5029	0.0904	0.5961
1656	26.4	25.9	-0.1439	0.4593	0.1566	0.472	-0.0223	0.5109	0.0875	0.5761

1657	25.9	25.8	-0.1445	0.4594	0.1569	0.4718	-0.0382	0.5131	0.0882	0.5631
1658	25.9	25.8	-0.146	0.4594	0.1569	0.4703	-0.0399	0.5163	0.0806	0.557
1659	26.5	25.9	-0.1473	0.4591	0.1569	0.4687	-0.0357	0.5144	0.0748	0.5536
1660	25.6	25.9	-0.147	0.4588	0.157	0.4688	-0.0396	0.5093	0.071	0.5407
1661	24.9	25.8	-0.147	0.4592	0.1568	0.4689	-0.0291	0.5018	0.0787	0.5515
1662	24.8	25.7	-0.1477	0.4592	0.1563	0.4678	-0.0179	0.5067	0.0803	0.5692
1663	26.3	25.7	-0.1479	0.4577	0.1564	0.4662	-0.001	0.5128	0.0816	0.5934
1664	27.6	25.8	-0.148	0.4555	0.1562	0.4637	0.0209	0.5154	0.0851	0.6215
1665	25.2	25.8	-0.1482	0.4549	0.1555	0.4622	0.0424	0.5152	0.0878	0.6455
1666	25.8	25.8	-0.1482	0.4539	0.1556	0.4612	0.0616	0.5173	0.0948	0.6736
1667	25.7	25.7	-0.148	0.4537	0.1557	0.4613	0.0605	0.5146	0.1044	0.6794
1668	26.7	25.7	-0.1486	0.4541	0.1556	0.4611	0.0596	0.5162	0.1091	0.6849
1669	26.3	25.6	-0.1485	0.4542	0.1559	0.4616	0.0552	0.5211	0.107	0.6833
1670	24.8	25.7	-0.1481	0.454	0.1558	0.4617	0.0393	0.5255	0.1023	0.6671
1671	24.4	25.7	-0.148	0.4522	0.1557	0.4599	0.0292	0.5191	0.1015	0.6498
1672	25.8	25.7	-0.1477	0.4507	0.1559	0.4589	0.0249	0.5199	0.0958	0.6406
1673	25.9	25.6	-0.147	0.4502	0.1558	0.459	0.0172	0.5115	0.093	0.6217
1674	26.6	25.5	-0.146	0.4496	0.1557	0.4594	0	0.5009	0.0855	0.5865
1675	24.8	25.4	-0.1456	0.4491	0.1559	0.4594	-0.0077	0.49	0.0784	0.5607
1676	25.7	25.4	-0.1465	0.4485	0.1557	0.4577	-0.0054	0.4882	0.0791	0.5619
1677	25.2	25.3	-0.1466	0.4483	0.1556	0.4573	0.0067	0.4783	0.0838	0.5688
1678	25.3	25.2	-0.1465	0.4483	0.1554	0.4572	0.0019	0.467	0.0899	0.5587
1679	26.5	25.1	-0.1464	0.4482	0.1554	0.4572	-0.0012	0.4514	0.0916	0.5418
1680	25.9	25	-0.1473	0.4471	0.1552	0.455	0.0042	0.4543	0.0896	0.5481
1681	24.8	24.9	-0.1473	0.4464	0.155	0.4541	0.0178	0.453	0.0885	0.5593
1682	24	24.8	-0.147	0.4461	0.1549	0.4541	0.0219	0.4582	0.09	0.57
1683	24.4	24.7	-0.1466	0.446	0.1549	0.4543	0.0157	0.4602	0.094	0.5699
1684	25	24.5	-0.1478	0.4453	0.1547	0.4522	-0.0001	0.4589	0.091	0.5497
1685	24	24.5	-0.1488	0.4446	0.1544	0.4502	-0.0132	0.4589	0.09	0.5357
1686	23.9	24.5	-0.1497	0.4437	0.1539	0.4479	-0.0186	0.4717	0.0902	0.5434
1687	25.2	24.3	-0.1498	0.4431	0.1536	0.4469	-0.0145	0.4789	0.0953	0.5596
1688	24.5	24.2	-0.15	0.4427	0.1538	0.4465	-0.0062	0.4799	0.0954	0.5691
1689	23.2	24.1	-0.15	0.4415	0.1536	0.4452	-0.0008	0.4822	0.0935	0.5749
1690	23.1	24	-0.1493	0.4402	0.1533	0.4442	0.0076	0.4694	0.0962	0.5731
1691	23.7	24	-0.1478	0.4402	0.1536	0.446	0.0146	0.4498	0.0952	0.5596
1692	23.7	24	-0.1478	0.4399	0.1539	0.446	0.0157	0.4505	0.0928	0.559
1693	23.7	24	-0.1486	0.4395	0.1541	0.445	-0.0113	0.4601	0.0901	0.5389

1694	23.3	23.9	-0.1492	0.4406	0.1543	0.4457	-0.0185	0.4649	0.09	0.5364
1695	25.3	23.9	-0.1494	0.4413	0.1541	0.4461	-0.0012	0.4713	0.0878	0.558
1696	22.9	23.9	-0.148	0.4407	0.154	0.4467	0.0061	0.4787	0.0877	0.5726
1697	23.4	23.9	-0.1472	0.4396	0.1539	0.4464	0.02	0.4855	0.0858	0.5912
1698	24.6	23.9	-0.1475	0.4388	0.1535	0.4448	0.0352	0.4884	0.0837	0.6073
1699	24.2	23.9	-0.1478	0.4383	0.1531	0.4435	0.0352	0.484	0.0817	0.6008
1700	24.4	24	-0.1471	0.4378	0.1529	0.4436	0.0319	0.4695	0.0808	0.5822
1701	24.4	24	-0.1468	0.4367	0.1524	0.4423	0.0281	0.4447	0.0833	0.5561
1702	23.5	24	-0.147	0.4361	0.1519	0.441	0.031	0.4518	0.0882	0.571
1703	23.5	24	-0.1466	0.4354	0.1518	0.4405	0.0325	0.4504	0.0895	0.5724
1704	23.7	24.1	-0.1458	0.4344	0.1519	0.4405	0.033	0.4489	0.0938	0.5757
1705	24.5	23.9	-0.1448	0.4338	0.152	0.4409	0.036	0.4512	0.0916	0.5788
1706	23.9	23.9	-0.1442	0.433	0.1519	0.4406	0.0319	0.4493	0.0917	0.573
1707	25	23.9	-0.144	0.4323	0.1519	0.4403	0.0306	0.4527	0.094	0.5773
1708	23.7	23.8	-0.1441	0.4317	0.1523	0.4399	0.0217	0.4586	0.097	0.5773
1709	25	23.7	-0.1433	0.4312	0.1524	0.4402	0.0077	0.4658	0.0992	0.5727
1710	23.2	23.6	-0.1434	0.4305	0.152	0.4392	0	0.4659	0.1027	0.5686
1711	24.6	23.5	-0.1444	0.4303	0.1519	0.4378	0.0018	0.4662	0.1037	0.5718
1712	23.7	23.4	-0.146	0.4296	0.152	0.4355	-0.0018	0.4706	0.0996	0.5683
1713	23.6	23.4	-0.1477	0.4295	0.1518	0.4336	-0.0153	0.4799	0.096	0.5607
1714	22.9	23.3	-0.1487	0.4297	0.1517	0.4326	-0.0176	0.4695	0.1005	0.5524
1715	22.3	23.2	-0.1495	0.4296	0.1516	0.4317	-0.02	0.4493	0.1003	0.5297
1716	23	23.2	-0.1493	0.43	0.1511	0.4318	-0.0323	0.4524	0.0921	0.5122
1717	22.9	23.1	-0.1495	0.43	0.1507	0.4312	-0.0329	0.4473	0.0932	0.5076
1718	22.9	23.1	-0.1494	0.4297	0.1506	0.4309	-0.0281	0.4523	0.0931	0.5173
1719	22.7	23	-0.149	0.4293	0.1508	0.4311	-0.0322	0.4587	0.0914	0.5179
1720	21.9	22.9	-0.1487	0.4289	0.1505	0.4307	-0.0261	0.4509	0.0958	0.5205
1721	22	22.8	-0.1483	0.4279	0.1505	0.4301	-0.0161	0.4403	0.0982	0.5224
1722	22.9	22.8	-0.1472	0.4281	0.1506	0.4314	-0.0093	0.4227	0.0996	0.5129
1723	22.8	22.7	-0.1461	0.4283	0.1508	0.433	-0.0067	0.4068	0.1046	0.5047
1724	22.4	22.7	-0.1456	0.4293	0.1512	0.435	-0.0009	0.4003	0.1088	0.5082
1725	23.3	22.7	-0.1459	0.4298	0.1511	0.435	0.0092	0.3891	0.109	0.5073
1726	23.9	22.7	-0.1466	0.4301	0.1508	0.4343	0.0109	0.3999	0.1076	0.5185
1727	22.8	22.7	-0.146	0.4297	0.1504	0.434	-0.0069	0.3949	0.1074	0.4953
1728	22.8	22.6	-0.1458	0.4288	0.1501	0.4332	-0.0129	0.4033	0.1094	0.4998
1729	22.5	22.6	-0.1456	0.4275	0.1501	0.432	-0.012	0.4082	0.1117	0.508
1730	22.4	22.6	-0.146	0.4267	0.1501	0.4308	-0.0176	0.4156	0.1094	0.5074

1731	22.7	22.6	-0.1464	0.4255	0.1499	0.429	-0.0268	0.4039	0.1055	0.4827
1732	22.4	22.6	-0.1463	0.4242	0.1493	0.4272	-0.026	0.3937	0.1068	0.4746
1733	22	22.7	-0.1458	0.4239	0.1492	0.4274	-0.0247	0.3961	0.1062	0.4776
1734	22.6	22.7	-0.1452	0.4229	0.1492	0.4269	-0.025	0.3895	0.1065	0.471
1735	22.8	22.6	-0.1446	0.4217	0.149	0.426	-0.036	0.378	0.1034	0.4454
1736	22.6	22.5	-0.1447	0.4214	0.1489	0.4256	-0.0479	0.3726	0.0992	0.4238
1737	22.3	22.5	-0.145	0.4207	0.149	0.4247	-0.0604	0.3664	0.0956	0.4016
1738	22.2	22.4	-0.1452	0.4202	0.1493	0.4243	-0.0615	0.3662	0.0934	0.3981
1739	21.6	22.4	-0.1465	0.421	0.1492	0.4238	-0.065	0.3674	0.0974	0.3998
1740	22	22.4	-0.1475	0.4218	0.1491	0.4234	-0.066	0.3605	0.0991	0.3936
1741	24.1	22.3	-0.1469	0.4212	0.1492	0.4235	-0.0643	0.3517	0.0974	0.3848
1742	23.3	22.3	-0.1449	0.4205	0.1495	0.4252	-0.0542	0.354	0.1047	0.4045
1743	23	22.3	-0.1449	0.4199	0.1494	0.4244	-0.0531	0.3506	0.108	0.4055
1744	21.9	22.2	-0.1468	0.4187	0.1492	0.421	-0.0607	0.3584	0.1073	0.405
1745	20.6	22.2	-0.1471	0.4177	0.1491	0.4197	-0.0624	0.3741	0.1118	0.4234
1746	22.8	22.1	-0.1472	0.417	0.149	0.4189	-0.0658	0.3775	0.1159	0.4276
1747	22.6	22.1	-0.1478	0.417	0.1493	0.4185	-0.0577	0.3709	0.1171	0.4303
1748	22.3	22.1	-0.1481	0.4166	0.1492	0.4177	-0.053	0.3671	0.1167	0.4308
1749	22	22.1	-0.1484	0.4168	0.1491	0.4175	-0.0608	0.3648	0.1088	0.4128
1750	21.4	22.1	-0.1485	0.4168	0.1488	0.4171	-0.07	0.3627	0.1043	0.397
1751	21.5	22	-0.1486	0.4166	0.1482	0.4162	-0.0661	0.3622	0.1008	0.397
1752	21.3	21.9	-0.1484	0.4159	0.1479	0.4155	-0.0636	0.3539	0.0972	0.3874
1753	21.8	21.8	-0.1479	0.4152	0.1478	0.4151	-0.0662	0.3515	0.0927	0.378
1754	22	21.8	-0.1479	0.4145	0.1478	0.4143	-0.0628	0.3477	0.0925	0.3774
1755	22.1	21.9	-0.1475	0.4143	0.1475	0.4143	-0.0546	0.3412	0.094	0.3806
1756	22	21.9	-0.147	0.414	0.1472	0.4143	-0.0456	0.3387	0.0961	0.3893
1757	22.1	21.8	-0.1467	0.4135	0.1472	0.414	-0.0395	0.3335	0.0961	0.3901
1758	22	21.7	-0.1468	0.4128	0.147	0.413	-0.037	0.3299	0.0981	0.3909
1759	21.5	21.7	-0.1473	0.4125	0.1466	0.4119	-0.0395	0.327	0.1032	0.3908
1760	21.7	21.6	-0.1472	0.4122	0.1466	0.4116	-0.031	0.3246	0.1052	0.3988
1761	21.2	21.6	-0.1469	0.4121	0.1468	0.4121	-0.0319	0.3213	0.1022	0.3915
1762	22.2	21.6	-0.1462	0.4112	0.1467	0.4118	-0.0438	0.3221	0.1019	0.3802
1763	21.1	21.6	-0.1461	0.4107	0.1463	0.4109	-0.0627	0.3178	0.104	0.3591
1764	22.7	21.5	-0.146	0.4106	0.1461	0.4107	-0.0829	0.3207	0.1029	0.3407
1765	21.7	21.5	-0.145	0.4096	0.1463	0.411	-0.0954	0.326	0.1031	0.3337
1766	21.1	21.5	-0.145	0.4091	0.1463	0.4105	-0.1056	0.3296	0.1031	0.327
1767	21.1	21.5	-0.1452	0.4085	0.1463	0.4096	-0.1047	0.3378	0.0987	0.3318

1768	21.1	21.4	-0.1453	0.4082	0.1464	0.4093	-0.1078	0.3414	0.0945	0.3281
1769	20.9	21.4	-0.1459	0.4091	0.1463	0.4096	-0.1078	0.3418	0.0947	0.3288
1770	20.9	21.4	-0.1465	0.4099	0.146	0.4095	-0.1052	0.3422	0.0978	0.3349
1771	21.6	21.4	-0.1471	0.41	0.1457	0.4086	-0.1029	0.3415	0.0959	0.3346
1772	21.5	21.3	-0.1471	0.41	0.1455	0.4084	-0.0986	0.3327	0.0971	0.3311
1773	20.8	21.3	-0.1469	0.4102	0.1449	0.4082	-0.0862	0.3391	0.0996	0.3526
1774	21.4	21.2	-0.1469	0.4107	0.1448	0.4086	-0.0726	0.3464	0.104	0.3778
1775	21.1	21.1	-0.1467	0.4091	0.1452	0.4076	-0.0663	0.3636	0.1108	0.408
1776	22.2	21.2	-0.1458	0.409	0.145	0.4082	-0.0715	0.3753	0.1104	0.4143
1777	21.4	21.2	-0.1453	0.408	0.1447	0.4073	-0.0821	0.3847	0.1076	0.4102
1778	21.6	21.2	-0.1453	0.4075	0.1442	0.4064	-0.075	0.384	0.1034	0.4124
1779	20.3	21.2	-0.1447	0.4067	0.1444	0.4064	-0.0729	0.3777	0.101	0.4058
1780	21.9	21.1	-0.1446	0.4067	0.1446	0.4067	-0.0712	0.3641	0.1024	0.3953
1781	20.6	21.1	-0.1447	0.407	0.1443	0.4067	-0.0786	0.3582	0.1039	0.3835
1782	21.2	21	-0.1445	0.4065	0.1443	0.4063	-0.0857	0.3466	0.1022	0.3631
1783	20.6	21	-0.1441	0.4071	0.1442	0.4072	-0.0852	0.3325	0.0947	0.342
1784	20.3	20.9	-0.1442	0.4075	0.1444	0.4076	-0.0786	0.3331	0.0951	0.3495
1785	21.3	20.8	-0.144	0.4074	0.1445	0.4078	-0.0709	0.3227	0.0965	0.3484
1786	21.5	20.8	-0.1437	0.4071	0.1444	0.4078	-0.0636	0.3088	0.0949	0.34
1787	21.1	20.7	-0.1437	0.4065	0.1443	0.4071	-0.0648	0.309	0.0942	0.3384
1788	20.4	20.7	-0.1435	0.406	0.144	0.4065	-0.0705	0.3027	0.0974	0.3295
1789	20.3	20.7	-0.1434	0.4055	0.1437	0.4058	-0.0751	0.2989	0.1041	0.3279
1790	20.6	20.6	-0.1429	0.405	0.1435	0.4057	-0.0984	0.3181	0.1052	0.3249
1791	20.1	20.6	-0.1424	0.4048	0.1431	0.4056	-0.117	0.3358	0.1049	0.3237
1792	20	20.6	-0.1425	0.4048	0.1431	0.4054	-0.1089	0.3321	0.1077	0.331
1793	20.6	20.6	-0.1425	0.4037	0.1434	0.4045	-0.075	0.3262	0.1146	0.3659
1794	19.5	20.4	-0.143	0.4032	0.1431	0.4034	-0.0769	0.3208	0.1153	0.3592
1795	20.9	20.5	-0.1428	0.4036	0.1425	0.4033	-0.1125	0.3042	0.1137	0.3053
1796	20	20.5	-0.1422	0.4036	0.1423	0.4037	-0.1198	0.2926	0.1138	0.2867
1797	21.2	20.5	-0.1419	0.4029	0.1423	0.4033	-0.1237	0.285	0.1151	0.2764
1798	21.1	20.7	-0.1415	0.4023	0.1426	0.4035	-0.1369	0.2895	0.1217	0.2743
1799	20.7	20.7	-0.1408	0.402	0.1426	0.4038	-0.1462	0.2877	0.1225	0.264
1800	20.4	20.4	-0.1405	0.4016	0.1428	0.4039	-0.1553	0.2969	0.1236	0.2652