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Electron-Diffraction and electron-microscopy study of balangeroite and gageite: Crystal structures, polytypism, and fiber texture

Ferraris, et al.

TO be deposited: Structure measurements

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Gageite substructure. Calculated and observed structure factors.

H	K	L	FO	FC	A	B	PHI	DEL (F)	SIG* (F)
2	0	0	71.94	74.76	74.70	2.92	2.24	-2.82	5.49
4	0	0	98.41	100.87	-100.77	-4.49	182.55	-2.47	7.51
5	0	0	66.17	55.44	55.31	-3.73	356.14	10.73	5.06
8	0	0	37.39	39.48	-39.47	-1.20	181.74	-2.09	2.90
10	0	0	58.57	59.11	59.02	3.29	3.19	-0.54	4.49
12	0	0	113.34	113.68	113.56	5.28	2.66	-0.34	8.66
14	0	0	35.97	33.75	33.75	0.52	0.98	2.22	2.92
15	0	0	24.16	26.53	-26.44	-2.26	184.89	-2.37	2.11
18	0	0	31.29	32.01	31.99	1.09	1.95	-0.72	2.54
1	1	0	37.26	39.18	-39.06	-3.11	184.55	-1.93	2.85
2	1	0	32.78	35.31	35.25	2.17	3.52	-2.53	2.51
3	1	0	12.56	13.46	-13.46	0.24	178.96	-0.90	1.04
5	1	0	139.13	142.86	142.73	6.10	2.45	-3.74	10.61
5	1	0	26.67	27.22	-27.21	0.90	178.11	-0.55	2.08
7	1	0	92.30	91.37	91.29	3.94	2.47	0.93	7.05
8	1	0	35.49	36.33	36.33	0.30	0.47	-0.84	2.76
9	1	0	34.95	35.61	-35.52	-2.52	184.05	-0.66	2.72
10	1	0	57.62	59.31	-59.22	-3.32	183.20	-1.69	4.42
11	1	0	47.71	48.23	-48.17	-2.49	182.95	-0.52	3.68
12	1	0	36.38	36.99	-36.92	-2.17	183.37	-0.61	2.86
13	1	0	39.09	39.27	39.25	1.06	1.54	-0.18	3.06
14	1	0	40.31	41.40	41.37	1.77	2.46	-1.09	3.15
15	1	0	26.67	28.04	28.00	1.58	3.23	-1.37	2.21
19	1	0	27.69	25.43	25.42	0.61	1.37	2.26	2.27
0	2	0	63.59	68.71	68.66	2.49	2.98	-5.12	4.86
1	2	0	4.97	3.04	2.89	0.93	17.76	1.94	0.84
2	2	0	5.83	3.57	3.52	0.61	9.85	2.26	0.99
3	2	0	19.88	22.98	-22.95	-1.17	182.93	-3.09	1.56
4	2	0	9.03	8.12	-8.02	-1.30	189.20	0.90	0.91
5	2	0	92.30	94.79	-94.71	-3.91	182.36	-2.49	7.05
6	2	0	28.91	28.60	28.60	-0.06	359.89	0.31	2.24
7	2	0	21.65	19.98	19.98	0.07	0.20	1.67	1.71
8	2	0	68.55	69.03	68.98	2.55	2.11	-0.48	5.24
9	2	0	67.87	68.70	68.65	2.44	2.03	-0.83	5.19
10	2	0	67.87	68.79	68.72	3.03	2.53	-0.92	5.20
11	2	0	32.92	34.89	34.83	2.10	3.45	-1.98	2.58
13	2	0	62.84	61.84	61.78	2.65	2.46	1.00	4.93
14	2	0	19.41	19.38	-19.24	-2.33	186.90	0.03	1.74
15	2	0	21.51	22.76	-22.67	-1.99	185.92	-1.24	1.82
16	2	0	11.40	13.16	-13.10	-1.28	185.57	-1.76	1.51
17	2	0	43.64	43.24	-42.96	-4.90	185.51	0.40	3.40
13	2	0	25.31	24.85	24.75	2.22	5.12	0.46	2.16
1	3	0	13.03	14.28	14.22	1.38	5.56	-1.25	1.09
3	3	0	76.69	84.44	84.39	2.70	1.83	-7.75	5.86
4	3	0	7.80	5.27	5.04	-1.54	342.99	2.54	0.96
5	3	0	9.09	6.46	6.46	-0.18	358.37	2.63	0.97
6	3	0	15.13	16.91	16.83	1.65	5.60	-1.78	1.27
7	3	0	24.43	25.98	-25.87	-2.39	185.29	-1.54	1.92
8	3	0	99.09	98.10	98.05	3.31	1.93	0.98	7.57
10	3	0	43.98	45.80	-45.75	-2.17	182.72	-1.83	3.39
11	3	0	11.06	10.70	10.67	0.86	4.62	0.36	1.22
12	3	0	45.54	46.02	-45.91	-3.22	184.01	-0.48	3.52
13	3	0	30.61	31.23	31.06	3.33	6.12	-0.63	2.43
14	3	0	25.31	27.17	27.17	0.48	1.01	-1.86	2.08
15	3	0	40.58	43.29	43.10	4.06	5.38	-2.70	3.17
16	3	0	8.89	9.23	9.09	1.57	9.82	-0.34	1.70
17	3	0	13.84	12.93	-12.93	-0.36	181.57	0.91	1.47

13	3	0	34.38	35.15	35.09	1.96	3.20	-0.26	2.79
19	3	0	42.42	43.26	-43.12	-3.51	184.65	-0.84	3.33
0	4	0	94.33	99.91	-99.87	-2.83	181.62	-5.58	7.21
1	4	0	71.26	77.32	77.24	3.33	2.47	-6.06	5.44
2	4	0	56.33	57.64	57.64	0.34	0.34	-1.31	4.31
3	4	0	143.20	151.12	151.02	5.51	2.13	-7.92	10.92
4	4	0	18.26	23.68	23.62	1.69	4.09	-5.43	1.53
5	4	0	23.89	25.29	25.27	0.98	2.22	-1.40	1.87
7	4	0	72.62	71.86	-71.78	-3.39	182.71	0.76	5.55
8	4	0	92.98	94.80	94.74	3.39	2.05	-1.83	7.10
9	4	0	67.59	70.88	-70.80	-3.43	182.78	-3.29	5.18
10	4	0	13.71	11.90	11.72	2.06	9.97	1.81	1.27
11	4	0	21.45	22.53	-22.53	-0.09	180.23	-1.09	1.79
12	4	0	24.57	25.17	-25.04	-2.52	185.75	-0.60	1.97
13	4	0	27.96	30.23	30.10	2.81	5.33	-2.27	2.24
14	4	0	10.45	10.99	-10.83	-1.85	189.68	-0.53	1.44
15	4	0	13.17	13.39	13.35	1.00	4.27	-0.23	1.45
18	4	0	10.66	11.17	11.10	1.21	5.21	-0.51	1.69
1	5	0	11.33	13.38	13.38	-0.07	359.68	-2.05	1.04
2	5	0	106.55	117.07	-116.87	-6.87	183.36	-10.52	8.13
3	5	0	51.92	47.06	-47.02	2.10	177.44	4.86	3.98
4	5	0	103.84	108.05	-107.96	-4.42	182.34	-4.22	7.93
5	5	0	36.99	37.78	-37.77	-0.11	180.17	-0.79	2.85
6	5	0	32.92	32.77	32.73	1.55	2.70	0.15	2.55
3	5	0	82.12	85.93	85.81	4.52	3.01	-3.81	6.28
9	5	0	30.74	33.22	-33.18	1.71	177.04	-2.48	2.42
10	5	0	35.90	38.15	38.02	3.16	4.75	-2.25	2.84
11	5	0	10.93	9.75	9.75	0.32	1.91	1.17	1.39
12	5	0	17.24	18.03	-17.97	-1.51	184.79	-0.79	1.50
14	5	0	37.67	38.49	-38.35	-3.34	184.98	-0.83	2.94
15	5	0	15.20	14.87	14.79	1.51	5.84	0.33	1.48
17	5	0	23.07	22.79	22.78	0.72	1.82	0.28	1.94
13	5	0	14.05	12.56	12.52	1.07	4.87	1.49	1.51
0	6	0	37.60	40.63	40.59	1.79	2.52	-3.03	2.94
1	6	0	26.94	26.98	26.94	1.48	3.14	-0.04	2.10
2	6	0	90.26	92.99	92.95	2.42	1.49	-2.72	6.89
3	6	0	68.55	72.45	72.31	4.49	3.55	-3.91	5.24
4	6	0	10.93	9.18	9.15	0.79	4.94	1.75	1.04
5	6	0	36.10	37.56	37.49	2.29	3.49	-1.45	2.79
6	6	0	30.68	34.40	-34.35	-1.77	182.95	-3.73	2.40
7	6	0	75.33	77.81	-77.68	-4.58	183.37	-2.48	5.76
9	6	0	30.95	33.48	-33.31	-3.34	185.73	-2.53	2.42
10	6	0	11.40	10.30	-10.30	0.14	179.19	1.10	1.44
11	6	0	48.52	48.64	48.59	2.24	2.64	-0.11	3.74
12	6	0	42.62	41.93	41.87	2.30	3.14	0.69	3.31
13	6	0	17.92	19.46	19.39	1.68	4.96	-1.54	1.59
14	6	0	44.05	44.98	44.86	3.38	4.31	-0.94	3.42
15	6	0	16.90	17.16	17.15	0.37	1.25	-0.26	1.54
16	6	0	26.74	28.09	28.03	1.79	3.66	-1.35	2.19
18	6	0	18.32	18.10	-18.01	-1.78	185.65	0.23	1.72
2	7	0	83.48	83.81	-83.76	-2.88	181.97	-0.33	6.38
3	7	0	21.79	24.35	-24.33	-1.00	182.35	-2.57	1.73
4	7	0	10.99	13.34	-13.33	0.65	177.20	-2.35	1.08
5	7	0	29.71	31.28	31.26	1.11	2.04	-2.57	2.24
6	7	0	45.81	47.45	47.40	2.23	2.69	-1.64	3.53
7	7	0	79.40	81.81	81.73	3.55	2.49	-2.40	6.07
3	7	0	39.91	40.11	-40.11	-0.03	180.04	-0.21	3.10
9	7	0	35.22	35.19	35.09	2.64	4.31	0.04	2.74
10	7	0	14.86	13.50	13.50	-0.21	359.09	1.36	1.34
11	7	0	14.25	12.36	12.35	0.52	2.42	1.89	1.43
12	7	0	22.06	23.47	-23.37	-2.22	185.42	-1.42	1.83
13	7	0	29.39	30.79	-30.70	-2.37	184.41	-1.40	2.37
14	7	0	42.01	43.75	-43.72	-1.78	182.34	-1.74	3.28
15	7	0	38.89	41.32	-41.22	-2.91	184.04	-2.44	3.05
16	7	0	36.78	40.02	39.90	3.12	4.47	-3.24	2.91
17	7	0	9.16	9.29	9.21	1.19	7.39	-0.13	1.75
0	8	0	10.99	12.60	12.60	-0.09	359.58	-1.61	1.50
1	8	0	10.59	11.15	-11.12	-0.83	184.25	-0.56	1.27

2	8	0	28.91	29.53	-29.52	-0.55	181.07	-0.62	2.25
3	8	0	32.37	33.78	-33.74	-1.57	182.67	-1.41	2.51
4	8	0	40.52	39.11	39.06	1.87	2.74	1.41	3.13
5	8	0	9.57	10.00	-9.90	-1.38	187.91	-0.43	1.15
5	8	0	92.30	95.29	95.22	3.57	2.15	-2.99	7.05
7	8	0	35.70	34.86	-34.83	-1.40	182.31	0.84	2.78
9	8	0	8.28	8.94	8.80	1.59	10.24	-0.66	1.55
10	8	0	20.90	21.39	-21.23	-2.63	187.05	-0.49	1.75
11	8	0	50.63	52.92	52.77	3.99	4.32	-2.29	3.91
12	8	0	27.89	29.05	28.99	1.80	3.55	-1.15	2.24
13	8	0	14.93	13.39	-13.37	0.66	177.15	1.54	1.46
14	8	0	34.20	34.29	34.17	2.78	4.65	-0.08	2.70
15	8	0	20.63	21.16	-21.02	-2.38	186.45	-0.53	1.82
16	8	0	11.33	10.20	10.15	1.02	5.72	1.13	1.82
17	8	0	33.46	35.35	-35.23	-2.90	184.70	-1.89	2.69
1	9	0	120.12	124.46	124.32	5.95	2.74	-4.34	9.17
2	9	0	50.02	53.02	52.99	1.75	1.99	-3.00	3.84
3	9	0	35.02	35.26	-35.22	-1.77	182.98	-0.24	2.72
4	9	0	36.58	39.19	39.16	1.47	2.15	-2.61	2.83
5	9	0	37.87	40.80	-40.66	-3.39	184.76	-2.93	2.93
5	9	0	31.63	34.82	34.80	1.19	1.95	-3.20	2.47
8	9	0	15.07	14.72	-14.71	-0.54	182.09	0.35	1.49
9	9	0	21.11	21.27	21.24	1.20	3.22	-0.17	1.88
10	9	0	25.65	27.49	-27.38	-2.48	185.19	-1.84	2.07
11	9	0	40.18	39.75	39.55	3.98	5.74	0.43	3.13
12	9	0	33.53	32.99	-32.94	-1.86	183.24	0.54	2.66
13	9	0	46.22	46.67	46.62	2.18	2.68	-0.45	3.59
14	9	0	8.48	7.72	7.66	0.90	5.66	0.77	1.58
15	9	0	18.66	20.82	-20.70	-2.15	185.94	-2.15	1.72
16	9	0	31.15	31.50	31.43	2.15	3.91	-0.35	2.52
17	9	0	14.86	13.81	-13.80	-0.47	181.94	1.05	1.66
0	10	0	39.84	40.33	40.09	-4.42	353.71	-0.50	3.12
1	10	0	60.13	63.01	62.99	1.30	1.19	-2.89	4.62
2	10	0	26.54	27.69	-27.58	-2.45	185.07	-1.15	2.10
3	10	0	12.08	9.88	9.88	0.33	1.89	2.20	1.27
4	10	0	71.26	73.78	73.67	3.99	3.10	-2.52	5.46
5	10	0	40.59	43.21	-43.20	-0.95	181.26	-2.62	3.15
6	10	0	131.66	137.41	137.25	6.67	2.78	-5.75	10.05
7	10	0	32.85	36.46	36.45	1.08	1.69	-3.61	2.57
8	10	0	8.01	10.01	9.95	1.11	6.36	-2.01	1.46
10	10	0	30.81	31.15	-30.98	-3.20	185.90	-0.34	2.45
11	10	0	38.07	39.47	-39.44	-1.56	182.26	-1.40	2.98
13	10	0	10.38	10.59	10.58	0.55	2.95	-0.21	1.55
14	10	0	32.03	32.09	32.07	0.93	1.66	-0.05	2.58
15	10	0	11.54	11.57	11.54	0.70	3.47	-0.03	1.64
16	10	0	15.81	16.34	16.27	1.57	5.51	-0.53	1.58
1	11	0	76.01	77.22	77.10	4.28	3.17	-1.21	5.82
4	11	0	58.03	61.53	-61.45	-3.11	182.89	-3.51	4.46
5	11	0	46.28	45.74	-45.62	-3.35	184.20	0.54	3.57
6	11	0	46.22	45.40	-45.37	-1.67	182.11	0.81	3.57
7	11	0	36.04	36.41	-36.36	-1.81	182.85	-0.37	2.81
8	11	0	48.39	48.90	48.85	2.16	2.53	-0.51	3.74
9	11	0	45.06	46.64	46.56	2.74	3.36	-1.57	3.49
10	11	0	15.34	16.17	16.10	1.55	5.50	-0.83	1.47
11	11	0	24.16	26.97	26.80	3.07	6.54	-2.81	2.03
12	11	0	10.79	11.44	11.32	1.60	8.04	-0.65	1.69
13	11	0	15.13	16.21	16.20	0.58	2.03	-1.08	1.55
14	11	0	22.06	22.72	22.71	0.68	1.73	-0.66	1.88
15	11	0	10.66	6.42	6.37	-0.83	352.60	4.24	1.76
16	11	0	37.19	38.17	-38.03	-3.32	184.99	-0.98	2.96
0	12	0	17.58	18.18	-18.11	-1.59	185.02	-0.60	1.83
2	12	0	10.93	13.19	13.15	1.05	4.55	-2.26	1.35
4	12	0	48.32	50.71	50.63	2.80	3.16	-2.39	3.73
6	12	0	11.54	11.88	11.88	0.10	0.48	-0.34	1.57

7	12	0	31.42	31.27	31.21	1.80	3.30	0.16	2.53
11	12	0	29.86	29.28	-29.04	-3.75	187.36	0.58	2.39
13	12	0	10.18	10.81	10.79	-0.64	356.62	-0.63	1.74
14	12	0	39.02	39.94	39.81	3.24	4.65	-0.92	3.07
15	12	0	16.56	18.24	18.12	2.13	6.72	-1.68	1.68
1	13	0	27.28	28.63	-28.59	-1.55	183.11	-1.35	2.22
2	13	0	20.22	19.86	19.77	1.91	5.53	0.36	1.71
3	13	0	17.58	17.39	17.35	1.13	3.73	0.19	1.54
4	13	0	31.08	31.82	31.80	1.20	2.15	-0.74	2.45
5	13	0	22.53	22.77	22.76	0.70	1.76	-0.24	1.91
5	13	0	30.81	29.73	-29.68	-1.78	183.43	1.08	2.45
7	13	0	31.90	32.99	32.92	2.04	3.55	-1.09	2.54
9	13	0	55.51	57.39	57.25	4.03	4.03	-1.88	4.28
12	13	0	26.26	27.23	27.13	2.33	4.91	-0.97	2.20
13	13	0	44.32	44.80	-44.67	-3.39	184.35	-0.48	3.47
14	13	0	11.88	10.51	10.48	0.75	4.10	1.37	1.63
1	14	0	52.19	53.31	-53.19	-3.52	183.78	-1.12	4.03
2	14	0	32.44	35.57	35.52	2.00	3.23	-3.13	2.57
3	14	0	31.90	32.78	-32.48	-4.39	187.70	-0.88	2.52
6	14	0	17.78	19.89	-19.82	-1.59	184.88	-2.11	1.58
7	14	0	13.98	15.35	15.17	2.35	8.82	-1.37	1.47
9	14	0	27.83	29.02	28.88	2.77	5.48	-1.19	2.26
11	14	0	13.10	11.59	-11.59	0.27	178.65	1.51	1.43
12	14	0	14.46	15.11	15.07	1.13	4.29	-0.65	1.56
13	14	0	32.92	33.23	-33.12	-2.74	184.73	-0.31	2.66
1	15	0	12.76	13.81	13.79	0.82	3.39	-1.05	1.80
2	15	0	57.75	60.14	60.03	3.72	3.54	-2.39	4.45
4	15	0	52.94	55.43	55.19	5.09	5.27	-2.49	4.09
5	15	0	12.15	15.13	-15.12	0.18	179.33	-2.98	1.69
6	15	0	11.20	11.35	-11.31	-0.96	184.87	-0.15	1.47
8	15	0	39.50	42.71	-42.39	-5.22	187.02	-3.22	3.11
9	15	0	23.55	23.20	-23.20	0.02	179.96	0.35	2.03
10	15	0	20.56	22.04	-22.01	-1.28	183.32	-1.48	1.85
12	15	0	14.32	14.87	14.77	1.74	6.72	-0.55	1.64
1	15	0	35.83	37.98	-37.87	-2.90	184.38	-2.15	2.84
2	16	0	14.66	14.78	14.77	-0.58	357.74	-0.12	1.70
3	15	0	42.55	43.89	-43.74	-3.61	184.72	-1.34	3.31
6	16	0	22.60	27.14	27.01	2.61	5.52	-4.54	1.93
7	15	0	13.17	13.02	12.90	1.80	7.94	0.14	1.59
8	16	0	23.75	26.09	26.00	2.20	4.83	-2.34	2.00
9	15	0	30.40	30.30	30.24	1.95	3.68	0.10	2.46
1	17	0	17.85	19.10	19.03	1.63	4.90	-1.25	1.80
4	17	0	13.84	17.35	-17.35	-0.10	180.33	-3.51	1.54
5	17	0	9.57	8.92	8.86	1.03	5.63	0.65	1.68
5	17	0	11.67	12.22	-12.14	-1.38	186.49	-0.55	1.50
7	17	0	19.07	17.80	17.80	-0.08	359.73	1.27	1.72
8	17	0	23.01	24.51	-24.48	-1.24	182.89	-1.50	1.98
9	17	0	34.27	35.70	-35.60	-2.69	184.31	-1.43	2.75
0	18	0	34.00	35.79	35.63	3.37	5.40	-1.79	2.81
1	18	0	18.93	20.90	20.87	1.04	2.86	-1.96	1.81
4	18	0	15.81	16.87	-16.78	-1.78	186.06	-1.06	1.63
5	18	0	9.91	10.03	9.98	1.00	5.71	-0.13	2.10
5	18	0	20.63	21.42	21.42	0.27	0.72	-0.79	1.83
7	18	0	11.88	11.68	11.63	1.08	5.31	0.20	1.68
1	19	0	22.12	21.85	-21.69	-2.71	187.13	0.27	1.97
2	19	0	17.78	19.28	19.28	0.45	1.34	-1.50	1.71
1	0	1	27.62	23.53	23.53	0.06	0.15	4.10	2.14
3	0	1	13.64	17.49	-17.10	-3.67	192.12	-3.85	1.15
5	0	1	35.70	31.19	-31.17	-1.11	182.04	4.51	2.75
7	0	1	54.23	49.64	49.56	2.78	3.21	4.59	4.16
9	0	1	7.19	6.53	-6.38	1.40	167.58	0.66	1.17
11	0	1	15.41	14.17	14.17	0.28	1.15	1.23	1.37
13	0	1	38.07	35.63	-35.46	-3.48	185.60	2.44	2.96
15	0	1	76.69	73.60	-73.37	-5.86	184.56	3.09	5.88
17	0	1	20.22	18.64	18.64	0.43	1.31	1.58	1.75
19	0	1	28.91	30.95	30.60	4.67	8.69	-2.04	2.51
0	1	1	36.10	32.56	-32.54	-0.82	181.45	3.55	2.79
1	1	1	8.62	7.24	-7.17	-1.01	187.99	1.38	0.95

2	1	1	12.42	9.91	9.87	-0.88	354.89	2.51	1.08
3	1	1	130.30	121.21	-121.14	-4.01	181.89	9.09	9.94
4	1	1	39.43	34.38	34.38	0.57	0.95	5.05	3.03
5	1	1	92.30	82.64	-82.59	-2.88	182.00	9.66	7.05
5	1	1	29.43	17.35	17.32	1.10	3.62	3.08	1.63
7	1	1	46.49	42.70	42.62	2.52	3.38	3.79	3.57
8	1	1	76.01	69.13	-69.03	-3.58	182.97	6.88	5.81
9	1	1	43.91	40.81	40.68	3.22	4.52	3.10	3.38
10	1	1	61.15	55.36	-55.20	-4.22	184.37	5.78	4.69
11	1	1	25.59	25.93	25.93	0.58	1.28	-0.35	2.05
12	1	1	34.61	32.23	32.19	1.57	2.79	2.39	2.71
14	1	1	26.06	26.96	26.80	2.96	6.30	-0.90	2.11
15	1	1	21.17	19.95	-19.91	-1.30	183.75	1.22	1.79
16	1	1	25.59	26.80	26.79	0.72	1.54	-1.22	2.10
17	1	1	31.29	31.12	-31.05	-1.99	183.66	0.17	2.51
18	1	1	21.38	22.07	-21.98	-1.92	184.99	-0.69	1.87
1	2	1	11.81	13.49	13.25	2.55	10.87	-1.68	1.04
2	2	1	110.62	112.82	112.65	6.16	3.13	-2.20	8.44
3	2	1	80.08	73.32	-73.30	-1.71	181.34	6.76	6.12
4	2	1	81.44	73.18	73.14	2.63	2.06	8.26	6.22
5	2	1	114.02	106.31	-106.23	-4.20	182.26	7.70	8.70
6	2	1	14.52	12.07	-12.04	-0.76	183.63	2.46	1.23
7	2	1	36.10	32.50	-32.43	-2.04	183.60	3.61	2.79
8	2	1	48.73	46.64	-46.57	-2.52	183.09	2.09	3.74
9	2	1	8.48	5.63	5.52	1.12	11.46	2.85	1.29
10	2	1	12.83	12.01	-11.49	-3.48	196.87	0.82	1.21
11	2	1	23.62	24.10	24.03	1.88	4.47	-0.49	1.90
12	2	1	9.98	7.26	7.26	0.21	1.64	2.71	1.30
13	2	1	20.22	19.66	-19.65	-0.64	181.86	0.56	1.72
14	2	1	56.19	54.34	54.23	3.47	3.66	1.85	4.33
15	2	1	50.02	50.88	-50.82	-2.60	182.93	-0.87	3.87
16	2	1	15.54	15.13	15.12	0.57	2.14	0.41	1.55
17	2	1	11.40	11.92	-11.86	-1.15	185.52	-0.52	1.43
18	2	1	15.68	19.04	-19.03	-0.74	182.22	-3.36	1.61
0	3	1	185.28	181.40	-181.27	-7.10	182.24	3.87	14.14
1	3	1	72.62	65.30	65.30	-0.73	359.36	7.32	5.55
2	3	1	46.83	48.53	-48.45	-2.79	183.30	-1.70	3.59
3	3	1	78.73	78.49	-78.41	-3.54	182.59	0.24	6.01
4	3	1	76.01	73.82	73.76	2.81	2.18	2.19	5.81
5	3	1	46.42	47.18	-47.16	-1.59	181.93	-0.76	3.56
6	3	1	54.36	55.04	54.95	3.14	3.27	-0.68	4.17
7	3	1	122.84	121.28	121.21	3.97	1.98	1.56	9.38
8	3	1	45.47	44.32	44.30	1.31	1.70	1.15	3.50
9	3	1	28.84	27.92	27.83	2.31	4.75	0.92	2.26
10	3	1	19.41	20.64	-20.53	-2.14	185.94	-1.23	1.62
11	3	1	34.82	35.62	-35.55	-2.17	183.49	-0.80	2.72
12	3	1	71.26	70.13	-70.00	-4.31	183.53	1.13	5.46
13	3	1	13.64	14.28	-14.19	-1.61	186.45	-0.64	1.48
14	3	1	27.49	28.25	-28.22	-1.35	182.73	-0.77	2.21
15	3	1	19.14	18.70	18.69	0.31	0.94	0.44	1.69
1	4	1	24.57	19.66	-19.59	1.66	175.14	4.90	1.92
2	4	1	48.66	47.15	47.11	1.90	2.31	1.51	3.73
3	4	1	25.04	23.12	23.11	0.83	2.06	1.92	1.96
5	4	1	97.73	97.84	-97.76	-4.13	182.42	-0.12	7.45
6	4	1	26.74	29.13	-29.04	-2.34	184.61	-2.39	2.09
7	4	1	147.27	148.15	-148.08	-4.55	181.76	-0.88	11.24
8	4	1	36.17	37.33	-37.31	-1.32	182.03	-1.16	2.80
9	4	1	26.88	28.06	28.04	0.92	1.87	-1.18	2.12
10	4	1	15.34	15.29	15.18	1.85	6.96	0.05	1.35
12	4	1	17.31	16.66	16.34	3.25	11.25	0.65	1.50
13	4	1	32.03	31.29	-31.29	0.11	179.79	0.75	2.53
15	4	1	29.50	29.16	29.13	1.02	2.89	0.34	1.75
16	4	1	26.54	25.47	-25.25	-3.36	187.59	1.06	2.17
17	4	1	22.90	24.53	-24.48	-1.55	183.63	-1.72	1.96

18	4	1	32.03	32.32	-32.18	-3.02	185.37	-0.29	2.58
0	5	1	89.58	85.00	-84.98	-1.56	181.05	4.59	6.85
1	5	1	35.70	32.61	-32.60	-1.12	181.96	3.08	2.75
2	5	1	16.02	15.72	-15.72	0.08	179.72	0.30	1.32
4	5	1	6.11	6.97	6.97	0.11	0.89	-0.86	1.08
5	5	1	73.97	74.28	74.21	3.07	2.37	-0.30	5.66
6	5	1	111.98	109.63	-109.61	-2.49	181.30	2.34	8.55
7	5	1	27.21	25.70	25.64	1.75	3.91	1.52	2.14
8	5	1	42.42	42.90	-42.90	-0.56	180.75	-0.49	3.27
9	5	1	29.11	29.36	-29.32	-1.50	182.93	-0.24	2.28
10	5	1	7.60	8.27	8.26	0.48	3.31	-0.67	1.30
11	5	1	40.72	40.60	-40.44	-3.67	185.19	0.12	3.15
12	5	1	44.45	43.33	-43.30	-1.73	182.29	1.12	3.44
13	5	1	35.77	38.86	-38.75	-2.92	184.31	-3.10	2.80
14	5	1	13.17	13.37	13.37	-0.04	359.82	-0.20	1.37
15	5	1	21.51	23.42	23.30	2.34	5.73	-1.91	1.82
17	5	1	58.30	57.48	57.24	5.24	5.23	0.82	4.50
18	5	1	9.30	9.20	-9.09	-1.41	188.79	0.10	1.75
1	6	1	107.91	106.20	-106.11	-4.30	182.32	1.71	8.24
2	6	1	20.90	22.29	-22.29	0.06	179.85	-1.38	1.66
3	6	1	10.45	10.71	-10.71	-0.11	180.60	-0.26	1.03
4	6	1	24.30	23.04	23.00	1.26	3.13	1.26	1.91
5	6	1	36.38	36.58	36.50	2.46	3.86	-0.20	2.81
6	6	1	31.29	32.94	-32.86	-2.23	183.87	-1.65	2.44
7	6	1	33.93	31.98	-31.94	1.59	177.16	1.95	2.64
8	6	1	52.66	52.03	-51.95	-2.91	183.21	0.64	4.05
10	6	1	53.61	53.71	53.63	2.90	3.10	-0.09	4.13
11	6	1	53.21	53.77	-53.69	-2.99	183.19	-0.57	4.10
12	6	1	79.40	80.25	80.15	3.93	2.81	-0.84	6.08
13	6	1	50.15	51.98	-51.91	-2.79	183.08	-1.83	3.88
14	6	1	17.17	17.81	-17.80	-0.71	182.29	-0.64	1.56
15	6	1	27.28	28.81	-28.71	-2.41	184.91	-1.53	2.22
18	6	1	14.86	13.64	-13.46	-2.20	189.26	1.22	1.51
0	7	1	119.45	117.96	117.85	5.09	2.47	1.49	9.13
1	7	1	122.84	123.61	-123.55	-3.68	181.70	-0.77	9.38
3	7	1	67.53	66.90	-66.79	-3.82	183.28	0.63	5.17
4	7	1	61.55	63.26	-63.15	-3.73	183.38	-1.70	4.71
5	7	1	9.64	10.02	10.00	0.53	3.02	-0.38	1.13
6	7	1	41.87	44.08	-43.87	-4.30	185.60	-2.20	3.23
7	7	1	16.63	18.37	-18.31	1.55	175.17	-1.74	1.41
8	7	1	32.44	33.54	-33.48	-2.02	183.45	-1.10	2.53
9	7	1	38.01	39.00	38.94	2.14	3.15	-0.99	2.95
10	7	1	23.89	24.98	24.95	1.39	3.20	-1.10	1.93
11	7	1	9.98	10.33	10.31	0.58	3.24	-0.35	1.33
12	7	1	27.08	27.32	27.21	2.46	5.18	-0.24	2.16
13	7	1	31.56	31.99	-31.88	-2.65	184.75	-0.43	2.50
14	7	1	11.27	12.74	-12.74	-0.12	180.54	-1.48	1.40
15	7	1	24.84	25.16	-25.13	-1.09	182.49	-0.32	2.05
16	7	1	30.20	32.14	-32.08	-2.01	183.58	-1.94	2.43
17	7	1	15.54	16.80	16.66	2.18	7.45	-1.26	1.59
1	8	1	84.83	84.82	-84.77	-2.91	181.97	0.01	5.48
2	8	1	70.58	72.15	72.06	3.70	2.94	-1.57	5.40
3	8	1	41.19	40.89	-40.87	-1.24	181.74	0.31	3.18
4	8	1	67.05	71.22	71.07	4.57	3.68	-4.17	5.14
5	8	1	31.83	32.28	32.13	3.11	5.54	-0.45	2.48
6	8	1	19.95	19.72	-19.71	-0.48	181.40	0.24	1.63
7	8	1	28.78	28.33	28.28	1.69	3.43	0.45	2.26
8	8	1	41.67	41.36	-41.16	-4.02	185.57	0.31	3.23
9	8	1	52.33	50.70	-50.56	-3.73	184.22	1.62	4.03
10	8	1	56.80	57.39	-57.34	-2.33	182.33	-0.58	4.37
11	8	1	34.54	34.45	-34.36	-2.42	184.03	0.10	2.71
14	8	1	14.39	15.18	15.12	1.39	5.26	-0.80	1.46
15	8	1	15.81	16.66	-16.66	0.11	179.62	-0.85	1.52
0	9	1	23.48	23.47	23.40	1.76	4.30	0.02	1.95
1	9	1	38.34	38.06	-38.04	-1.32	181.98	0.29	2.97
2	9	1	9.57	8.61	-8.49	-1.46	189.77	0.96	1.08
3	9	1	18.60	19.07	-18.87	-2.80	188.45	-0.48	1.53

5	9	1	10.59	10.57	10.56	0.48	2.61	0.02	1.17
7	9	1	23.41	24.79	24.74	1.63	3.98	-1.38	1.89
8	9	1	18.26	19.42	19.36	1.56	4.61	-1.16	1.56
9	9	1	34.95	37.05	36.97	2.48	3.84	-2.10	2.73
10	9	1	21.04	19.99	19.97	0.92	2.65	1.05	1.75
11	9	1	10.32	10.48	-10.47	0.49	177.31	-0.16	1.35
12	9	1	8.69	3.98	3.97	-0.31	355.56	4.71	1.32
14	9	1	56.33	57.80	-57.63	-4.47	184.43	-1.47	4.35
15	9	1	9.84	12.52	-12.45	-1.33	186.11	-2.68	1.55
16	9	1	15.75	16.44	-16.15	-3.09	190.82	-0.70	1.55
1	10	1	7.60	10.73	10.73	0.09	0.48	-3.13	1.50
3	10	1	31.69	33.40	33.40	0.18	0.31	-1.71	2.48
4	10	1	12.15	10.17	-10.08	-1.35	187.62	1.98	1.18
5	10	1	12.83	13.47	-13.46	0.29	178.78	-0.64	1.24
7	10	1	24.91	25.53	-25.44	-2.13	184.78	-0.62	2.01
8	10	1	20.97	20.70	20.65	1.54	4.25	0.27	1.75
9	10	1	79.40	81.22	-81.07	-4.93	183.48	-1.81	6.08
10	10	1	16.22	15.80	-15.79	-0.60	182.16	0.42	1.49
12	10	1	10.72	9.84	-9.83	-0.42	182.45	0.88	1.44
13	10	1	45.74	47.79	47.64	3.71	4.45	-2.05	3.56
14	10	1	9.23	10.96	10.93	0.83	4.36	-1.73	1.53
15	10	1	20.29	19.46	19.29	2.57	7.60	0.84	1.77
16	10	1	11.20	12.18	-12.15	-0.75	183.55	-0.98	1.49
1	11	1	54.70	55.34	55.25	3.18	3.29	-0.64	4.21
2	11	1	18.19	18.24	18.23	-0.25	359.21	-0.05	1.54
3	11	1	27.69	30.11	29.90	3.58	6.82	-2.42	2.19
4	11	1	32.10	32.04	-31.96	-2.36	184.23	0.06	2.52
5	11	1	9.50	9.84	-9.84	0.18	178.95	-0.34	1.21
6	11	1	35.29	34.71	-34.67	-1.69	182.79	0.58	2.75
8	11	1	16.76	16.83	16.76	1.47	5.01	-0.06	1.50
9	11	1	36.38	37.78	-37.70	-2.45	183.72	-1.40	2.85
10	11	1	14.25	13.88	13.76	1.83	7.57	0.38	1.41
11	11	1	8.14	10.89	-10.66	-2.21	191.72	-2.74	1.57
13	11	1	24.16	23.22	23.15	1.78	4.40	0.94	2.01
14	11	1	34.00	33.87	-33.69	-3.53	185.99	0.13	2.71
15	11	1	13.17	13.08	12.93	2.01	8.84	0.08	1.54
1	12	1	73.97	75.22	-75.09	-4.28	183.26	-1.24	5.67
2	12	1	43.43	43.32	-43.20	-3.22	184.27	0.11	3.36
4	12	1	65.83	67.04	-66.89	-4.39	183.75	-1.21	5.05
5	12	1	18.46	17.51	17.38	2.14	7.02	0.95	1.58
6	12	1	12.22	11.82	11.81	0.56	2.69	0.40	1.31
8	12	1	46.08	46.94	46.76	4.05	4.95	-0.86	3.57
9	12	1	19.48	19.73	-19.71	-1.02	182.96	-0.26	1.70
10	12	1	40.79	41.93	41.89	1.74	2.39	-1.14	3.18
11	12	1	27.62	28.74	-28.59	-2.87	185.74	-1.11	2.24
13	12	1	25.99	25.63	-25.59	-1.50	183.36	0.36	2.15
1	13	1	49.34	48.78	48.74	1.84	2.16	0.56	3.81
2	13	1	27.35	29.90	29.84	1.99	3.81	-2.55	2.20
3	13	1	25.38	25.29	25.14	2.68	5.07	0.10	2.04
4	13	1	13.91	12.17	-12.01	-1.97	189.31	1.74	1.35
6	13	1	71.26	74.56	-74.35	-5.57	184.28	-3.30	5.47
7	13	1	10.38	12.15	-11.91	-2.39	191.34	-1.77	1.39
9	13	1	25.25	27.00	-26.94	-1.69	183.58	-1.75	2.07
10	13	1	33.87	35.34	35.27	2.24	3.63	-1.47	2.68
11	13	1	19.61	19.71	19.66	1.33	3.87	-0.09	1.72
13	13	1	17.58	16.25	16.16	1.71	6.05	1.32	1.63
1	14	1	55.79	58.92	-58.83	-3.35	183.26	-3.13	4.30
2	14	1	24.23	24.36	-24.29	-1.77	184.18	-0.13	1.98
3	14	1	8.28	6.56	-6.55	0.33	177.08	1.72	1.43
4	14	1	24.30	23.72	23.69	1.09	2.64	0.58	1.98
5	14	1	9.57	10.80	10.73	1.21	6.45	-1.23	1.46
5	14	1	43.71	44.09	44.02	2.47	3.21	-0.39	3.40
7	14	1	24.09	23.62	-23.61	0.59	178.57	0.47	1.98
8	14	1	21.92	21.89	-21.89	0.11	179.71	0.03	1.85

9	14	1	10.79	10.33	10.32	0.47	2.63	0.46	1.51
10	14	1	12.76	14.89	-14.83	-1.37	185.26	-2.13	1.49
11	14	1	25.99	26.03	-25.94	-2.16	184.76	-0.04	2.15
12	14	1	35.83	36.26	-36.14	-2.90	184.59	-0.42	2.84
1	15	1	17.71	18.74	-18.72	-0.67	182.06	-1.02	1.61
2	15	1	20.29	22.86	-22.84	-0.90	182.26	-2.57	1.77
5	15	1	15.13	15.46	15.46	-0.43	358.39	-0.33	1.48
5	15	1	20.56	19.97	-19.97	-0.17	180.50	0.59	1.78
7	15	1	36.10	35.92	-35.80	-2.86	184.56	0.19	2.85
3	15	1	23.89	24.78	-24.78	-0.49	181.13	-0.89	2.00
10	15	1	10.93	9.32	-9.30	-0.69	184.25	1.60	1.51
11	15	1	47.78	48.97	48.76	4.54	5.32	-1.19	3.72
1	16	1	32.37	31.84	31.71	2.84	5.12	0.54	2.57
2	16	1	37.80	38.38	-38.30	-2.47	183.69	-0.57	2.97
3	16	1	23.41	25.40	-25.35	-1.50	183.40	-1.99	1.98
5	16	1	30.68	30.11	-29.97	-2.86	185.44	0.57	2.45
6	16	1	18.87	17.80	17.70	1.80	5.81	1.07	1.70
7	16	1	45.47	46.05	-45.98	-2.58	183.21	-0.58	3.54
8	16	1	9.30	1.35	1.23	0.56	24.41	7.95	1.61
9	16	1	14.52	17.13	-17.10	-1.06	183.54	-2.61	1.54
0	17	1	16.36	17.68	-17.42	-3.01	189.82	-1.33	1.81
2	17	1	39.09	42.68	-42.59	-2.88	183.87	-3.59	3.08
3	17	1	26.13	27.40	27.25	2.89	6.06	-1.27	2.16
5	17	1	48.52	49.99	49.83	3.95	4.54	-1.46	3.78
7	17	1	32.37	34.69	-34.62	-2.30	183.80	-2.32	2.60
2	18	1	21.65	22.79	-22.64	-2.55	186.42	-1.14	1.88
3	18	1	18.80	23.48	-23.37	-2.25	185.50	-4.68	1.78
4	18	1	31.22	30.42	-30.26	-3.16	185.97	0.80	2.51
5	18	1	31.08	31.28	-31.20	-2.34	184.28	-0.20	2.51
0	0	2	344.08	311.89	311.75	9.34	1.72	32.20	26.25
2	0	2	57.55	55.21	55.15	2.71	2.81	2.34	4.41
4	0	2	59.59	56.10	-55.95	-4.13	184.22	3.48	4.57
6	0	2	8.42	7.05	6.17	-3.41	331.09	1.37	1.20
3	0	2	25.11	23.02	-23.00	-1.04	182.59	2.09	2.01
10	0	2	55.45	51.49	51.40	3.05	3.40	3.95	4.27
12	0	2	84.15	78.05	77.90	4.86	3.57	6.11	6.45
14	0	2	31.76	27.13	27.13	0.43	0.91	4.63	2.53
15	0	2	17.10	16.48	-16.35	-2.08	187.23	0.62	1.52
1	1	2	31.08	29.76	-29.63	-2.85	185.50	1.32	2.42
2	1	2	43.16	39.81	39.76	2.02	2.91	3.35	3.32
4	1	2	16.29	14.69	-14.67	0.91	176.44	1.59	1.39
5	1	2	106.55	96.86	96.70	5.62	3.33	9.69	8.14
6	1	2	18.32	16.72	-16.70	0.84	177.13	1.61	1.53
7	1	2	66.58	59.47	59.35	3.65	3.52	7.11	5.10
8	1	2	39.63	36.81	36.81	0.32	0.50	2.82	3.07
9	1	2	25.45	22.07	-21.95	-2.33	186.07	3.38	2.04
10	1	2	56.13	51.60	-51.51	-3.06	183.40	4.52	4.32
11	1	2	40.99	37.14	-37.07	-2.27	183.51	3.85	3.19
12	1	2	32.92	30.43	-30.37	-2.02	183.80	2.48	2.60
13	1	2	30.47	28.25	28.23	1.00	2.04	2.22	2.43
14	1	2	42.55	40.09	40.06	1.65	2.36	2.46	3.32
15	1	2	25.18	25.52	25.48	1.48	3.32	-0.34	2.07
17	1	2	8.35	6.20	6.05	1.34	12.51	2.15	1.55
0	2	2	57.48	55.76	55.71	2.36	2.43	1.72	4.43
1	2	2	19.68	19.33	19.31	0.93	2.75	0.35	1.60
3	2	2	15.13	14.55	-14.51	-1.05	184.12	0.59	1.31
4	2	2	15.00	12.27	-12.21	-1.22	185.68	2.73	1.30
5	2	2	88.91	79.31	-79.23	-3.61	182.61	9.59	6.80
5	2	2	32.64	29.22	29.22	-0.05	359.91	3.42	2.54
7	2	2	23.96	21.66	21.66	0.08	0.22	2.29	1.92
3	2	2	51.37	46.55	46.49	2.34	2.89	4.82	3.95
9	2	2	56.60	50.35	50.30	2.21	2.51	6.26	4.35
10	2	2	51.37	46.95	46.86	2.80	3.42	4.43	3.95
11	2	2	20.02	18.69	18.59	1.89	5.82	1.33	1.69
12	2	2	12.08	11.38	11.37	0.28	1.42	0.70	1.35
13	2	2	56.94	52.73	52.68	2.46	2.67	4.21	4.39
14	2	2	18.66	17.53	-17.40	-2.14	187.01	1.13	1.64

15	2	2	13.03	13.64	-13.59	-1.17	186.32	0.34	1.55
17	2	2	44.86	41.82	-41.57	-4.54	184.94	-0.61	1.49
1	3	2	20.77	19.50	19.45	1.27	186.24	3.04	3.50
2	3	2	8.14	7.02	-6.98	-0.70	3.75	1.27	1.67
3	3	2	41.26	39.82	39.74	2.49	185.71	1.12	1.11
5	3	2	15.41	12.01	12.01	-0.12	3.58	1.45	3.18
5	3	2	12.49	12.94	12.85	1.54	359.44	3.39	1.34
7	3	2	11.47	10.08	-9.84	-2.17	6.84	-0.45	1.21
3	3	2	73.97	66.24	66.17	3.06	192.43	1.39	1.19
9	3	2	11.27	10.20	-10.16	-0.93	2.64	7.74	5.67
10	3	2	34.27	32.25	-32.19	-1.98	185.26	1.07	1.25
11	3	2	12.96	11.90	11.87	0.79	183.53	2.02	2.69
12	3	2	38.28	36.06	-35.94	-2.98	3.80	1.06	1.32
13	3	2	33.32	31.20	31.05	3.07	184.74	2.22	2.99
14	3	2	29.22	18.95	18.94	0.44	5.65	2.12	2.63
15	3	2	30.74	29.46	29.22	3.74	1.32	1.28	1.75
15	3	2	10.04	10.02	9.91	1.46	7.29	1.28	2.47
17	3	2	8.69	8.89	-8.88	-0.30	8.38	0.03	1.44
0	4	2	61.22	60.14	-60.09	-2.57	181.93	-0.20	1.66
1	4	2	37.53	36.81	36.68	3.05	182.44	1.07	4.71
2	4	2	36.92	35.82	35.82	0.34	4.76	0.72	2.90
3	4	2	103.16	101.31	101.18	5.14	0.54	1.10	2.85
4	4	2	21.65	19.62	19.55	1.57	2.91	1.85	7.88
5	4	2	31.90	31.55	31.54	0.91	4.60	2.03	1.74
7	4	2	62.17	60.94	-60.86	-3.16	1.65	0.35	2.49
8	4	2	69.22	66.99	66.91	3.12	182.97	1.23	4.77
9	4	2	55.18	53.90	-53.81	-3.16	2.67	2.24	5.31
10	4	2	11.33	10.81	10.64	1.94	183.36	1.28	4.25
12	4	2	19.68	19.45	-19.31	-2.32	10.33	0.52	1.28
13	4	2	17.31	18.11	17.93	2.58	186.84	0.24	1.70
14	4	2	9.09	8.68	-8.52	-1.67	8.19	-0.81	1.57
15	4	2	9.37	9.72	9.68	0.93	191.06	0.41	1.48
2	5	2	95.01	93.01	-92.79	-6.34	5.47	-0.36	1.51
3	5	2	6.64	2.25	1.08	1.98	183.91	2.01	7.26
4	5	2	66.85	64.19	-64.07	-4.04	61.37	4.39	1.40
5	5	2	28.37	29.43	-29.43	-0.08	183.60	2.65	5.12
5	5	2	23.69	24.30	24.26	1.45	180.16	-1.06	2.23
7	5	2	9.09	7.65	-7.65	-0.11	3.41	-0.61	1.90
8	5	2	56.26	56.40	56.25	4.13	180.86	1.45	1.22
9	5	2	9.30	10.33	-10.19	1.65	4.20	-0.14	4.33
10	5	2	35.56	34.05	33.93	2.90	170.78	-1.03	1.29
12	5	2	12.15	13.65	-13.57	-1.41	4.89	1.51	2.78
14	5	2	37.67	35.73	-35.60	-3.09	185.91	-1.50	1.34
15	5	2	19.21	18.62	18.56	1.44	184.97	1.93	2.96
0	5	2	14.73	14.41	14.32	1.61	4.43	0.59	1.72
1	6	2	23.14	23.88	23.84	1.36	6.40	0.31	1.48
2	5	2	71.26	69.10	69.06	2.22	3.26	-0.73	1.85
3	6	2	49.81	50.45	50.27	4.15	1.84	2.16	5.46
4	5	2	14.59	15.13	15.11	0.78	4.72	-0.63	3.83
5	6	2	22.74	21.16	21.05	2.10	2.96	-0.54	1.30
5	5	2	34.00	35.31	-35.27	-1.62	5.70	1.58	1.83
7	6	2	53.75	53.72	-53.55	-4.23	182.63	-1.31	2.66
9	5	2	25.18	25.77	-25.59	-3.08	184.52	0.03	4.14
11	6	2	33.25	32.79	32.72	2.07	186.86	-0.60	2.04
12	5	2	28.37	25.06	24.98	2.07	3.62	0.47	2.62
13	6	2	18.46	19.41	19.34	1.57	4.73	3.31	2.28
14	5	2	39.84	39.42	39.30	3.13	4.63	-0.95	1.64
15	6	2	14.66	14.59	14.58	0.32	4.55	0.42	3.12
15	5	2	25.79	26.71	26.66	1.67	1.27	0.07	1.53
1	7	2	6.64	1.23	-1.23	-0.12	3.58	-0.92	2.14
2	7	2	48.39	46.56	-46.48	-2.67	185.55	5.41	1.17
3	7	2	17.24	18.30	-18.27	-0.92	183.28	1.83	3.73
4	7	2	18.12	19.22	-19.21	0.59	182.89	-1.06	1.47
5	7	2	23.07	23.56	23.53	1.02	178.23	-1.10	1.51
							2.47	-0.48	1.86

5	7	2	32.37	33.68	33.62	2.05	3.49	-1.31	2.54
7	7	2	61.83	61.93	61.85	3.25	3.01	-0.11	4.75
3	7	2	19.82	18.15	-18.15	0.02	179.94	1.66	1.66
9	7	2	26.67	26.36	26.24	2.44	5.31	0.32	2.14
11	7	2	10.11	10.48	10.46	0.51	2.81	-0.36	1.45
12	7	2	20.43	20.83	-20.73	-2.06	185.67	-0.40	1.75
13	7	2	23.41	23.78	-23.68	-2.14	185.16	-0.36	1.95
14	7	2	27.76	28.61	-28.56	-1.64	183.29	-0.85	2.26
15	7	2	34.75	34.79	-34.68	-2.67	184.40	-0.04	2.75
16	7	2	29.71	28.66	28.52	2.86	5.72	0.05	2.35
)	3	2	19.38	21.48	21.48	-0.04	359.89	-1.60	1.78
2	8	2	25.04	26.25	-26.24	-0.51	181.12	-1.20	2.00
3	8	2	24.23	23.58	-23.53	-1.40	183.42	0.65	1.95
4	8	2	22.87	22.36	22.30	1.72	4.41	0.51	1.85
5	8	2	10.99	9.91	-9.83	-1.26	187.30	1.08	1.22
6	8	2	82.80	82.38	82.31	3.35	2.33	0.42	6.34
7	8	2	25.86	23.90	-23.86	-1.31	183.14	1.96	2.08
8	8	2	6.85	7.06	-6.98	-1.07	189.74	-0.21	1.45
10	8	2	24.02	23.37	-23.24	-2.45	185.03	0.66	1.97
11	8	2	37.67	39.70	39.53	3.65	5.27	-2.04	2.96
12	8	2	31.15	31.77	31.72	1.70	3.08	-0.61	2.49
13	8	2	8.69	7.71	-7.69	0.64	175.24	0.97	1.59
14	8	2	27.49	27.09	26.97	2.57	5.45	0.40	2.25
15	8	2	18.46	18.33	-18.20	-2.19	186.86	0.13	1.68
1	9	2	95.69	95.45	95.29	5.50	3.31	0.24	7.32
2	9	2	30.27	30.24	30.20	1.56	2.95	0.03	2.38
3	9	2	34.95	33.84	-33.80	-1.65	182.80	1.11	2.73
4	9	2	33.73	35.77	35.75	1.34	2.15	-2.04	2.64
5	9	2	27.55	27.88	-27.71	-3.11	186.40	-0.33	2.20
5	9	2	24.64	26.52	26.50	1.07	2.31	-1.89	2.00
7	9	2	8.21	5.37	5.27	-1.05	348.78	2.34	1.43
3	9	2	17.51	17.62	-17.61	-0.49	181.55	-0.11	1.55
9	9	2	10.99	10.67	10.61	1.09	5.87	0.33	1.31
10	9	2	15.88	17.00	-16.85	-2.26	187.63	-1.12	1.49
11	9	2	35.49	34.77	34.57	3.59	5.09	0.73	2.79
12	9	2	25.52	24.82	-24.77	-1.70	183.92	0.69	2.10
13	9	2	42.21	41.55	41.50	2.02	2.78	0.66	3.30
15	9	2	23.01	22.55	-22.46	-2.03	185.15	0.45	2.11
0	10	2	19.07	19.27	18.84	-4.08	347.77	-0.20	1.75
1	10	2	36.38	36.29	36.27	1.18	1.86	0.09	2.84
2	10	2	19.48	18.72	-18.59	-2.22	186.82	0.75	1.64
3	10	2	9.55	6.88	6.87	0.30	2.46	1.67	1.42
4	10	2	57.55	58.43	58.31	3.68	3.61	-0.88	4.43
5	10	2	21.65	23.36	-23.34	-0.87	182.13	-1.71	1.81
6	10	2	98.41	100.36	100.17	6.15	3.51	-1.95	7.53
7	10	2	20.50	20.90	20.88	0.98	2.69	-0.40	1.73
8	10	2	10.66	9.97	9.91	1.03	5.92	0.69	1.31
10	10	2	24.84	23.62	-23.44	-2.95	187.18	1.22	2.04
11	10	2	25.86	25.01	-24.97	-1.42	183.26	0.85	2.12
14	10	2	25.65	26.06	26.05	0.88	1.93	-0.41	2.13
1	11	2	54.02	53.89	53.74	3.93	4.18	0.14	4.16
3	11	2	15.00	13.08	13.08	0.02	0.08	1.92	1.40
4	11	2	45.61	47.46	-47.37	-2.85	183.44	-1.85	3.53
5	11	2	38.41	40.30	-40.19	-3.10	184.42	-1.89	3.00
6	11	2	35.97	34.60	-34.56	-1.53	182.53	1.37	2.82
7	11	2	33.05	32.81	-32.77	-1.64	182.87	0.24	2.61
8	11	2	38.14	38.43	38.38	1.98	2.95	-0.29	2.99
9	11	2	43.71	45.69	45.62	2.57	3.22	-1.99	3.40
10	11	2	13.84	12.83	12.76	1.39	6.24	1.01	1.44
11	11	2	20.29	20.61	20.41	2.84	7.93	-0.32	1.77
12	11	2	8.21	8.93	8.81	1.46	9.40	-0.71	1.68
13	11	2	8.35	8.36	8.34	0.50	3.45	-0.01	1.61
0	12	2	19.89	18.96	-18.90	-1.50	184.55	0.93	1.79
2	12	2	12.22	12.90	12.86	0.99	4.40	-0.69	1.34
4	12	2	41.26	42.10	42.02	2.61	3.55	-0.84	3.21

7	12	2	31.49	31.87	31.83	1.70	3.07	-0.38	2.51
8	12	2	8.96	4.71	4.66	-0.68	351.74	4.25	1.78
11	12	2	30.47	30.76	-30.56	-3.47	186.48	-0.29	2.45
1	13	2	16.70	18.82	-18.77	-1.38	184.21	-2.12	1.56
2	13	2	22.74	22.26	22.19	1.80	4.64	0.48	1.88
3	13	2	8.48	8.26	8.19	1.05	7.33	0.23	1.58
4	13	2	20.50	19.13	19.10	1.08	3.24	-1.36	1.74
5	13	2	18.26	20.19	20.18	0.63	1.79	-1.93	1.62
6	13	2	22.80	23.71	-23.66	-1.63	183.95	-0.91	1.90
7	13	2	28.44	29.13	29.07	1.86	3.66	-0.70	2.30
9	13	2	41.67	41.91	41.75	3.72	5.09	-0.24	3.26
1	14	2	44.05	44.77	-44.65	-3.25	184.16	-0.72	3.43
2	14	2	24.30	24.52	24.46	1.83	4.29	-0.23	2.01
3	14	2	27.28	28.50	-28.21	-4.06	188.20	-1.22	2.21
7	14	2	11.13	11.16	10.95	2.16	11.18	-0.03	1.45
9	14	2	24.16	23.97	23.83	2.54	6.09	0.20	2.03
1	15	2	10.52	11.53	11.50	0.76	3.77	-1.01	1.46
2	15	2	42.62	42.21	42.08	3.38	4.59	0.41	3.33
4	15	2	50.09	51.58	51.37	4.70	5.23	-1.50	3.89
5	15	2	9.16	10.38	-10.38	0.20	178.90	-1.22	1.58
6	15	2	8.82	8.71	-8.66	-0.89	185.90	0.11	1.70
3	15	2	41.06	43.05	-42.78	-4.85	186.46	-1.99	3.23
1	16	2	33.53	35.14	-35.03	-2.70	184.40	-1.61	2.67
2	15	2	14.93	13.74	13.73	-0.53	357.80	1.19	1.51
3	16	2	35.63	36.18	-36.03	-3.32	185.27	-0.55	2.82
5	15	2	16.63	17.17	17.00	2.38	7.99	-0.54	1.60
1	17	2	13.17	13.40	13.31	1.49	6.40	-0.23	1.51
1	0	3	11.06	10.58	10.58	0.11	0.59	0.48	1.22
3	0	3	24.57	23.28	-23.06	-3.21	187.93	1.29	2.00
5	0	3	20.36	19.39	-19.37	-0.99	182.92	0.97	1.72
7	0	3	31.08	26.48	26.38	2.29	4.95	4.60	2.47
13	0	3	29.11	24.45	-24.28	-2.93	186.88	4.66	2.36
0	1	3	11.54	13.86	-13.84	-0.74	183.06	-2.33	1.57
3	1	3	61.76	58.85	-58.76	-3.33	183.24	2.90	4.75
4	1	3	10.99	10.71	10.70	0.49	2.65	0.28	1.28
5	1	3	47.44	43.30	-43.23	-2.43	183.21	4.14	3.67
6	1	3	10.04	10.95	10.91	0.99	5.18	-0.91	1.34
7	1	3	27.49	25.09	25.00	2.15	4.92	2.39	2.21
8	1	3	45.61	41.25	-41.13	-3.06	184.26	4.36	3.54
9	1	3	28.91	25.78	25.64	2.70	6.02	3.13	2.31
10	1	3	38.34	35.82	-35.64	-3.63	185.82	2.52	3.01
11	1	3	14.73	13.89	13.89	0.40	1.66	0.83	1.51
12	1	3	21.31	18.85	18.81	1.27	3.87	2.46	1.82
14	1	3	20.63	20.00	19.95	2.50	7.19	0.63	1.82
1	2	3	8.48	9.97	9.73	2.16	12.52	-1.49	1.35
2	2	3	68.55	62.96	62.74	5.23	4.77	5.59	5.26
3	2	3	36.04	34.86	-34.83	-1.49	182.45	1.18	2.82
4	2	3	33.93	30.70	30.62	2.21	4.13	3.23	2.67
5	2	3	59.93	55.39	-55.27	-3.60	183.72	4.54	4.61
6	2	3	7.67	8.07	-8.04	-0.70	184.99	-0.40	1.59
7	2	3	21.99	18.69	-18.61	-1.77	185.44	3.30	1.84
8	2	3	26.20	25.22	-25.13	-2.06	184.70	0.98	2.12
9	2	3	9.09	4.55	4.45	0.95	12.00	4.54	1.79
10	2	3	14.66	11.17	-10.77	-2.96	195.38	3.49	1.45
11	2	3	15.00	14.82	14.73	1.58	6.10	0.18	1.50
12	2	3	8.62	4.38	4.38	0.20	2.56	4.24	1.44
13	2	3	15.20	12.64	-12.63	-0.58	182.61	2.56	1.54
14	2	3	41.26	37.27	37.15	2.96	4.56	3.99	3.24
0	3	3	95.69	94.40	-94.21	-6.03	183.66	1.29	7.34
1	3	3	24.97	24.94	24.93	-0.64	358.52	0.03	2.02
2	3	3	29.39	29.38	-29.29	-2.34	184.57	0.00	2.33
3	3	3	40.86	40.13	-40.02	-3.00	184.29	0.73	3.18
4	3	3	39.23	36.03	35.95	2.36	3.75	3.20	3.05
5	3	3	25.92	24.24	-24.20	-1.38	183.27	1.69	2.09
6	3	3	32.03	28.95	28.84	2.57	5.10	3.08	2.54
7	3	3	69.22	65.29	65.20	3.40	2.99	3.93	5.31
8	3	3	26.33	23.64	23.52	1.04	2.52	2.69	2.15

10	3	3	16.15	14.47	-14.36	-1.85	197.33	1.68	1.52
11	3	3	25.52	24.30	-24.22	-1.91	184.51	1.22	2.11
12	3	3	49.61	45.17	-45.02	-3.65	184.63	4.44	3.85
13	3	3	9.16	7.78	-7.67	-1.33	189.85	1.39	1.67
14	3	3	19.95	18.13	-18.09	-1.10	183.49	1.82	1.78
2	4	3	26.20	27.23	27.18	1.65	3.47	-1.03	2.11
3	4	3	11.81	11.30	11.28	0.72	3.64	0.51	1.28
5	4	3	54.90	53.11	-53.00	-3.54	183.82	1.79	4.23
6	4	3	16.15	17.26	-17.14	-2.03	186.76	-1.11	1.51
7	4	3	84.83	80.11	-80.02	-3.84	182.74	4.72	6.50
8	4	3	20.97	20.40	-20.36	-1.14	183.19	0.57	1.77
9	4	3	15.88	15.66	15.64	0.79	2.87	0.22	1.52
10	4	3	10.72	9.74	9.61	1.54	9.13	0.99	1.52
12	4	3	15.61	13.51	13.22	2.79	11.93	2.10	1.51
13	4	3	20.09	20.73	-20.73	0.02	179.95	-0.65	1.79
0	5	3	39.28	38.40	-38.37	-1.43	182.14	-0.12	3.05
1	5	3	17.10	17.32	-17.29	-1.01	183.34	-0.21	1.51
2	5	3	7.40	5.92	-5.92	0.07	179.34	1.48	1.50
4	5	3	7.74	3.06	3.06	0.07	1.27	4.67	1.29
5	5	3	40.65	40.23	40.15	2.59	3.69	0.42	3.17
6	5	3	59.52	58.89	-58.85	-2.14	182.99	0.63	4.58
7	5	3	15.41	15.65	15.58	1.52	5.57	-0.25	1.49
8	5	3	22.46	23.16	-23.15	-0.46	181.13	-0.69	1.88
9	5	3	18.39	17.01	-16.96	-1.21	184.09	1.38	1.64
11	5	3	27.96	26.99	-26.81	-3.08	185.56	0.97	2.28
12	5	3	27.96	26.73	-26.69	-1.49	183.19	1.23	2.29
13	5	3	27.28	26.51	-26.40	-2.51	185.42	0.77	2.23
1	5	3	58.03	55.54	-55.42	-3.67	183.78	2.48	4.47
2	6	3	9.84	11.63	-11.63	0.10	179.53	-1.79	1.37
4	6	3	13.44	13.69	13.64	1.14	4.77	-0.25	1.37
5	6	3	21.72	20.27	20.17	2.02	5.71	1.45	1.81
6	6	3	19.27	20.04	-19.95	-1.87	185.35	-0.77	1.67
7	6	3	13.71	14.93	-14.87	1.32	174.93	-1.22	1.43
8	6	3	32.98	33.35	-33.25	-2.56	184.41	-0.37	2.62
10	6	3	34.07	33.92	33.83	2.45	4.15	0.15	2.70
11	6	3	35.49	34.24	-34.15	-2.53	184.24	1.25	2.81
12	6	3	53.89	52.43	52.32	3.34	3.65	1.46	4.18
13	6	3	36.04	35.38	-35.31	-2.36	183.83	0.65	2.87
0	7	3	64.00	61.86	61.71	4.27	3.96	2.14	4.96
1	7	3	64.88	65.45	-65.38	-3.11	182.73	-0.57	4.99
3	7	3	39.07	39.19	-39.06	-3.26	184.77	-1.12	2.98
4	7	3	37.67	38.46	-38.32	-3.20	184.78	-0.79	2.94
5	7	3	8.01	6.96	6.94	0.51	4.22	1.05	1.42
6	7	3	29.66	28.67	-28.44	-3.64	187.30	0.99	2.37
8	7	3	20.70	20.87	-20.80	-1.71	184.70	-0.17	1.79
9	7	3	23.96	23.59	23.52	1.78	4.33	0.37	1.99
10	7	3	16.29	14.96	14.91	1.15	4.39	1.33	1.55
11	7	3	9.98	7.61	7.60	0.50	3.80	2.36	1.53
12	7	3	22.60	19.59	19.49	2.06	6.05	3.00	1.93
1	8	3	45.61	46.74	-46.68	-2.47	183.03	-1.14	3.54
2	8	3	40.72	40.81	40.69	3.12	4.38	-0.09	3.17
3	8	3	26.13	24.10	-24.07	-1.09	182.60	2.03	2.11
4	8	3	42.35	42.57	42.39	3.82	5.15	-0.22	3.30
5	8	3	21.85	20.88	20.71	2.64	7.27	0.98	1.82
6	8	3	11.13	10.24	-10.23	-0.40	182.23	0.89	1.33
7	8	3	17.98	17.10	17.04	1.40	4.71	0.88	1.60
8	8	3	28.64	28.82	-28.61	-3.43	186.84	-0.18	2.31
9	8	3	34.20	34.12	-33.97	-3.25	185.46	0.08	2.72
10	8	3	35.36	35.10	-35.04	-1.90	183.10	0.26	2.80
11	8	3	23.35	24.04	-23.95	-2.09	184.98	-0.69	1.98
12	8	3	8.89	2.50	2.45	0.52	11.90	6.39	1.54
0	9	3	15.27	16.22	16.15	1.59	5.61	-0.95	1.70
1	9	3	21.92	20.12	-20.09	-1.08	183.08	1.80	1.83
2	9	3	8.96	8.05	-7.95	-1.27	189.08	0.91	1.41
3	9	3	13.30	13.80	-13.59	-2.39	189.96	-0.50	1.44
4	9	3	26.94	26.95	-26.80	-2.86	185.10	-0.01	2.18
7	9	3	15.88	16.18	16.12	1.43	5.06	-0.30	1.53

8	9	3	11.27	11.76	11.69	1.27	5.22	-0.49	1.46
9	9	3	23.69	24.04	23.95	2.08	4.96	-0.35	2.00
10	9	3	13.17	14.50	14.48	0.79	3.12	-1.33	1.55
2	10	3	7.06	4.37	4.33	0.60	7.93	2.69	1.46
3	10	3	16.70	16.85	16.85	0.09	0.30	-0.16	1.53
4	10	3	8.62	7.84	-7.75	-1.17	188.61	0.78	1.42
5	10	3	8.69	5.75	-5.74	0.33	175.71	2.94	1.59
7	10	3	17.31	17.40	-17.31	-1.78	185.87	-0.10	1.59
8	10	3	14.05	13.92	13.85	1.32	5.45	0.13	1.50
9	10	3	53.21	52.55	-52.38	-4.19	184.58	0.66	4.12
10	10	3	10.11	10.11	-10.10	-0.52	182.94	0.00	1.59
0	11	3	9.70	4.81	-4.78	0.47	174.34	4.90	1.76
1	11	3	34.95	34.85	34.75	2.71	4.45	0.10	2.76
2	11	3	9.57	8.58	8.58	-0.25	358.33	0.99	1.44
3	11	3	20.29	21.27	21.05	3.03	8.19	-0.97	1.76
4	11	3	19.14	20.69	-20.59	-2.04	185.66	-1.55	1.70
6	11	3	20.90	22.36	-22.31	-1.49	183.83	-1.46	1.81
8	11	3	13.51	11.24	11.18	1.22	6.24	2.26	1.47
9	11	3	26.67	25.82	-25.74	-2.04	184.54	0.85	2.20
1	12	3	47.64	48.00	-47.87	-3.65	184.37	-0.36	3.71
2	12	3	26.54	28.43	-28.30	-2.70	185.45	-1.89	2.18
4	12	3	42.21	41.70	-41.53	-3.67	185.05	0.52	3.30
5	12	3	12.49	12.81	12.69	1.80	8.09	-0.33	1.47
5	12	3	8.82	6.65	6.64	0.47	4.05	2.17	1.60
8	12	3	32.98	33.90	33.72	3.46	5.86	-0.91	2.64
1	13	3	32.44	29.91	29.87	1.54	2.95	2.53	2.59
2	13	3	21.45	20.56	20.49	1.67	4.66	0.88	1.85
3	13	3	18.66	18.89	18.74	2.30	7.01	-0.22	1.69
4	13	3	9.57	9.23	-9.08	-1.68	190.47	0.34	1.57
5	13	3	52.26	52.73	-52.52	-4.76	185.17	-0.47	4.05
1	14	3	38.28	40.07	-39.97	-2.85	184.08	-1.79	3.02
2	14	3	17.44	18.90	-18.83	-1.60	184.84	-1.46	1.66
4	14	3	14.59	15.78	15.76	0.90	3.27	-1.19	1.53
0	0	4	149.31	138.05	137.86	7.30	3.03	11.26	11.43
2	0	4	25.25	22.46	22.36	2.11	5.39	2.79	2.09
7	0	4	34.54	33.45	-33.29	-3.26	185.60	1.10	2.75
6	0	4	8.55	7.99	7.59	-2.51	341.71	0.56	1.69
3	0	4	13.17	11.71	-11.69	-0.70	183.41	1.46	1.56
1	1	4	15.27	13.18	-13.00	-2.19	189.56	2.09	1.56
2	1	4	14.79	12.20	12.10	1.56	7.33	2.60	1.50
5	1	4	51.99	48.33	48.13	4.42	5.25	3.65	4.03
7	1	4	37.53	34.68	34.56	2.93	4.85	2.85	2.97
8	1	4	10.04	11.06	11.05	0.27	1.42	-1.01	1.58
9	1	4	17.58	16.81	-16.70	-1.90	186.48	0.77	1.70
0	2	4	19.21	20.60	20.51	1.93	5.38	-1.39	1.93
2	2	4	7.87	4.84	4.81	0.55	6.56	3.03	1.54
3	2	4	9.23	7.76	-7.72	-0.74	185.48	1.47	1.53
5	2	4	36.17	32.31	-32.19	-2.77	184.93	3.86	2.87
7	2	4	8.55	6.27	6.27	0.05	0.47	2.28	1.65
3	2	4	26.60	25.45	25.38	1.85	4.17	1.16	2.21
9	2	4	24.02	22.90	22.85	1.63	4.07	1.12	2.06
1	3	4	8.01	5.27	5.19	0.95	10.37	2.73	1.54
3	3	4	28.50	28.07	28.00	2.03	4.14	0.43	2.32
5	3	4	8.42	8.79	8.71	1.25	8.17	-0.38	1.68
7	3	4	15.81	11.65	-11.53	-1.66	189.21	4.17	1.58
3	3	4	37.67	34.62	34.54	2.43	4.03	3.04	2.98
0	4	4	27.15	27.29	-27.22	-1.92	184.04	-0.14	2.46
1	4	4	27.96	27.06	26.95	2.44	5.17	0.90	2.27
2	4	4	14.52	15.89	15.89	0.32	1.14	-1.37	1.52
3	4	4	47.17	47.62	47.45	3.97	4.78	-0.45	3.67
4	4	4	13.10	12.66	12.60	1.28	5.81	0.43	1.58
5	4	4	9.77	7.54	7.51	0.64	4.83	2.24	1.45
7	4	4	26.74	26.02	-25.90	-2.47	185.44	0.72	2.22

3	4	4	38.82	35.33	35.25	2.45	3.97	3.49	3.07
1	5	4	9.30	4.75	4.75	-0.05	359.43	-4.55	1.84
2	5	4	45.40	43.83	-43.55	-4.95	186.48	1.57	3.54
4	5	4	37.67	35.39	-35.26	-3.12	185.05	2.27	2.97
5	5	4	8.21	7.66	-7.66	0.02	179.87	0.55	1.58
6	5	4	12.49	12.89	12.83	1.17	5.23	-0.40	1.47
3	5	4	34.75	33.96	33.80	3.21	5.43	0.79	2.77
0	5	4	16.76	15.01	14.96	1.25	4.77	1.75	1.79
1	6	4	10.11	6.82	6.75	1.01	8.51	3.29	1.61
2	5	4	29.18	28.22	28.17	1.69	3.43	0.96	2.36
3	6	4	26.13	28.03	27.84	3.28	6.72	-1.90	2.17
5	5	4	17.37	16.10	16.01	1.68	5.99	1.27	1.63
6	6	4	12.08	11.69	-11.63	-1.16	185.68	0.39	1.53
7	5	4	32.71	33.37	-33.19	-3.37	185.80	-0.65	2.63
2	7	4	28.64	31.17	-31.10	-2.19	184.03	-2.53	2.33
3	7	4	9.43	8.20	-8.17	-0.71	184.97	1.23	2.02
5	7	4	12.15	11.97	11.95	0.77	3.68	0.17	1.55
5	7	4	17.51	17.84	17.77	1.60	5.14	-0.33	1.66
2	8	4	10.11	8.60	-8.59	-0.37	182.47	1.52	1.48
3	8	4	13.51	10.37	-10.33	-0.99	185.49	3.13	1.46
4	8	4	17.03	16.43	16.37	1.40	4.87	0.60	1.61
1	9	4	49.07	48.74	48.54	4.33	5.10	0.33	3.82
2	9	4	19.48	18.41	18.38	1.16	3.61	1.06	1.75