

AM-88-384

DEFERNITE FROM THE COMBAT MINE, NAMIBIA: A SECOND OCCURENCE, STURCTURE  
REFINEMENT, AND CRYSTAL CHEMISTRY

PEACOR, ET AL.

TO BE DEPOSITED: TABLE 4

AMERICAN MINERALOGIST: 73, 7-8, 888-893

Table 4. Structure factors for defernite

H	K	L	FO	FC	A	B	PHI	DEL(F)	SIG*(F)
6	0	0	5.18	8.41	-8.41	0.06	179.59	-3.23	0.44
8	0	0	65.96	66.67	66.65	1.36	1.17	-0.70	0.17
10	0	0	8.78	5.39	-5.39	-0.01	180.11	3.40	0.34
12	0	0	71.80	72.55	-72.53	-2.04	181.61	-0.75	0.20
16	0	0	8.23	6.72	-6.69	-0.54	184.65	1.51	0.54
18	0	0	8.28	9.70	-9.70	-0.38	182.25	-1.42	0.63
20	0	0	35.11	34.29	-34.25	-1.55	182.59	0.82	0.32
22	0	0	6.75	5.25	-5.24	-0.34	183.76	1.50	1.01
5	1	0	19.35	19.96	-19.95	-0.35	181.01	-0.60	0.16
6	1	0	72.05	73.61	-73.59	-1.95	181.52	-1.57	0.14
7	1	0	2.88	7.02	7.02	-0.06	359.53	-4.14	0.81
8	1	0	5.05	4.46	-4.46	0.03	179.56	0.59	0.48
9	1	0	17.58	16.81	16.81	-0.04	359.88	0.78	0.23
10	1	0	8.03	7.72	7.72	-0.01	359.93	0.31	0.39
11	1	0	4.11	4.69	-4.68	-0.36	184.35	-0.58	0.70
14	1	0	51.70	51.82	-51.81	-1.24	181.37	-0.13	0.23
15	1	0	13.30	10.22	-10.19	-0.75	184.20	3.08	0.37
16	1	0	6.74	9.37	-9.37	-0.05	180.32	-2.63	0.67
17	1	0	25.64	24.51	24.50	0.78	1.83	1.13	0.30
18	1	0	19.59	18.65	18.64	0.70	2.15	0.94	0.36
19	1	0	12.36	10.86	-10.86	-0.40	182.12	1.50	0.50
21	1	0	12.64	9.74	9.73	0.48	2.81	2.90	0.53
22	1	0	5.11	8.56	-8.56	-0.21	181.39	-3.45	1.40
5	2	0	10.47	11.86	-11.86	-0.28	181.33	-1.40	0.21
6	2	0	37.39	35.50	35.50	0.13	0.21	1.89	0.15
7	2	0	43.87	41.21	-41.21	0.16	179.78	2.66	0.16
8	2	0	39.54	39.21	-39.21	-0.46	180.67	0.32	0.18
9	2	0	28.31	27.67	-27.67	-0.55	181.14	0.64	0.20
10	2	0	19.64	18.72	-18.72	-0.01	180.02	0.93	0.23
11	2	0	33.40	32.70	32.69	0.81	1.43	0.70	0.21
12	2	0	7.73	9.03	-9.03	-0.11	180.73	-1.30	0.45
13	2	0	10.61	10.75	10.75	-0.08	359.57	-0.13	0.38
16	2	0	18.75	18.26	-18.23	-1.12	183.52	0.49	0.34
17	2	0	10.84	11.68	11.67	0.16	0.80	-0.83	0.48
18	2	0	14.14	11.90	-11.90	-0.29	181.39	2.23	0.43
20	2	0	10.57	9.79	-9.79	-0.18	181.08	0.78	0.55
21	2	0	20.07	19.87	19.86	0.78	2.24	0.20	0.40
22	2	0	6.28	7.37	-7.37	-0.26	182.04	-1.09	1.06
4	3	0	2.47	2.23	2.23	0.02	0.63	0.24	0.67
5	3	0	8.95	8.61	8.61	0.06	0.42	0.33	0.24
6	3	0	100.11	102.77	-102.75	-1.95	181.09	-2.66	0.14
7	3	0	44.90	41.89	-41.89	0.11	179.84	3.01	0.16
9	3	0	10.58	13.32	-13.32	-0.32	181.38	-2.74	0.30
10	3	0	64.46	65.54	-65.51	-1.88	181.65	-1.08	0.19
11	3	0	7.15	8.10	-8.10	-0.10	180.70	-0.94	0.46
13	3	0	8.18	6.94	-6.94	0.09	179.28	1.24	0.46
14	3	0	50.30	51.34	-51.33	-0.90	181.01	-1.05	0.23
15	3	0	13.41	11.27	11.26	0.20	0.99	2.14	0.38
16	3	0	13.47	12.64	-12.64	-0.21	180.96	0.83	0.41
17	3	0	10.83	10.53	-10.52	-0.35	181.93	0.30	0.52
18	3	0	19.29	18.53	18.53	0.20	0.62	0.76	0.36
19	3	0	8.79	8.41	-8.41	-0.15	181.00	0.38	0.63
20	3	0	4.20	1.39	1.38	0.18	7.43	2.81	1.34
22	3	0	7.94	10.03	10.01	0.62	3.57	-2.09	0.89
4	4	0	57.57	56.36	-56.36	-0.29	180.29	1.20	0.13

5	4	0	17.83	20.33	-20.32	-0.41	181.15	-2.50	0.17
6	4	0	2.46	0.88	-0.86	0.19	167.76	1.58	0.81
7	4	0	10.43	11.58	11.57	0.31	1.54	-1.15	0.26
8	4	0	45.66	46.35	-46.35	-0.62	180.77	-0.69	0.17
9	4	0	7.76	7.90	-7.90	-0.25	181.80	-0.14	0.35
10	4	0	3.52	0.44	0.43	-0.09	347.86	3.09	0.84
11	4	0	31.50	30.69	30.68	0.78	0.90	0.81	0.23
12	4	0	9.66	9.10	9.07	0.78	4.89	0.56	0.41
13	4	0	25.31	25.62	-25.62	-0.46	181.02	-0.31	0.26
15	4	0	26.50	27.00	26.99	0.69	1.47	-0.50	0.28
16	4	0	10.80	10.80	10.80	0.19	1.02	0.00	0.48
17	4	0	9.44	7.65	7.64	0.47	3.49	1.79	0.55
18	4	0	5.45	6.19	-6.19	-0.13	181.18	-0.74	0.89
20	4	0	9.98	9.52	9.50	0.64	3.85	0.47	0.64
21	4	0	7.58	11.34	11.33	0.43	2.18	-3.75	0.92
2	5	0	55.73	58.10	-58.08	-1.38	181.36	-2.37	0.12
3	5	0	12.82	11.59	11.58	0.21	1.02	1.23	0.17
4	5	0	13.78	14.61	-14.61	-0.27	181.06	-0.82	0.18
6	5	0	22.42	22.94	-22.94	-0.26	180.64	-0.52	0.17
7	5	0	44.96	45.11	-45.11	-0.24	180.31	-0.16	0.16
8	5	0	13.81	15.24	-15.23	-0.37	181.40	-1.42	0.23
9	5	0	8.48	8.19	-8.19	-0.06	180.44	0.29	0.33
10	5	0	67.99	71.24	-71.21	-1.84	181.48	-3.24	0.19
11	5	0	54.74	55.57	55.56	0.77	0.79	-0.83	0.20
12	5	0	10.58	11.06	-11.05	-0.47	182.42	-0.49	0.38
13	5	0	18.62	18.31	-18.31	-0.34	181.08	0.31	0.29
14	5	0	5.85	4.04	4.03	0.24	3.39	1.82	0.68
15	5	0	11.43	13.94	13.93	0.41	1.67	-2.51	0.43
17	5	0	19.57	18.54	-18.53	-0.68	182.11	1.03	0.36
19	5	0	10.34	8.18	8.15	0.71	4.95	2.16	0.55
21	5	0	14.94	15.33	-15.32	-0.66	182.46	-0.39	0.51
22	5	0	21.67	21.64	21.62	0.91	2.40	0.03	0.43
0	6	0	45.50	45.67	-45.66	-1.13	181.42	-0.17	0.12
1	6	0	16.47	14.90	-14.90	-0.15	180.59	1.58	0.15
2	6	0	2.32	3.55	-3.55	0.02	179.74	-1.23	0.72
3	6	0	21.93	23.24	-23.23	-0.56	181.37	-1.31	0.14
4	6	0	80.23	85.54	-85.50	-2.66	181.78	-5.30	0.14
5	6	0	18.45	17.68	-17.68	0.38	178.77	0.78	0.17
6	6	0	6.13	5.63	-5.63	-0.05	180.53	0.50	0.36
7	6	0	17.18	16.62	16.62	0.11	0.37	0.56	0.20
8	6	0	15.40	15.85	15.83	0.78	2.82	-0.45	0.23
9	6	0	7.41	7.38	-7.37	-0.30	182.37	0.03	0.39
10	6	0	14.58	18.40	-18.40	-0.05	180.16	-3.82	0.28
11	6	0	8.77	8.07	-8.06	-0.27	181.92	0.71	0.40
12	6	0	6.16	6.06	-6.06	0.09	179.19	0.10	0.59
13	6	0	13.78	14.24	14.24	0.28	1.12	-0.46	0.35
14	6	0	16.04	15.43	15.43	0.16	0.60	0.61	0.35
15	6	0	16.64	18.46	18.46	0.36	1.11	-1.82	0.37
16	6	0	65.86	66.52	66.49	2.04	1.76	-0.67	0.26
17	6	0	13.86	12.17	-12.17	-0.25	181.17	1.69	0.46
18	6	0	6.17	7.51	7.50	0.36	2.73	-1.34	0.80
20	6	0	9.48	9.89	9.89	0.25	1.43	-0.41	0.69
21	6	0	9.22	10.88	10.88	0.20	1.07	-1.65	0.82
1	7	0	20.06	20.10	20.10	0.40	1.13	-0.04	0.15
2	7	0	113.68	113.75	113.74	1.31	0.66	-0.07	0.13
3	7	0	24.13	24.19	-24.18	-0.47	181.12	-0.06	0.15
5	7	0	43.77	42.28	42.28	0.06	0.08	1.49	0.15
6	7	0	5.20	4.51	-4.50	-0.24	183.10	0.69	0.42
7	7	0	5.94	4.32	4.32	0.18	2.43	1.62	0.41
8	7	0	20.55	21.67	-21.67	-0.44	181.17	-1.12	0.20

9	7	0	14.59	16.78	16.76	0.63	2.16	-2.18	0.26
10	7	0	67.13	69.95	69.93	1.52	1.25	-2.82	0.20
11	7	0	15.78	15.39	15.39	0.14	0.51	0.39	0.28
12	7	0	21.46	22.87	-22.87	-0.42	181.05	-1.41	0.26
13	7	0	6.75	8.46	-8.45	-0.42	182.83	-1.71	0.58
14	7	0	18.00	19.34	-19.34	-0.37	181.10	-1.34	0.33
15	7	0	33.94	35.47	35.46	0.77	1.24	-1.53	0.28
16	7	0	5.34	3.22	3.22	-0.05	359.11	2.12	0.96
17	7	0	4.03	0.71	0.68	-0.21	342.94	3.32	1.29
18	7	0	16.66	14.46	14.45	0.62	2.47	2.20	0.39
19	7	0	5.00	5.16	5.15	0.30	3.36	-0.16	1.07
20	7	0	24.81	23.59	-23.58	-0.88	182.14	1.21	0.39
21	7	0	16.01	14.56	-14.55	-0.54	182.11	1.45	0.49
22	7	0	44.78	44.65	-44.61	-1.87	182.40	0.13	0.14
0	8	0	20.99	20.58	20.57	0.30	0.83	0.42	0.15
1	8	0	11.52	11.07	-11.06	-0.55	182.86	0.44	0.20
2	8	0	45.00	43.36	-43.36	0.04	179.95	1.64	0.14
3	8	0	29.83	28.55	-28.55	-0.36	180.72	1.28	0.15
4	8	0	18.62	20.41	-20.40	0.11	179.70	-1.79	0.18
5	8	0	24.98	25.94	-25.94	-0.43	180.96	-0.96	0.18
6	8	0	21.94	21.45	-21.44	-0.73	181.94	0.49	0.20
7	8	0	13.95	14.09	-14.08	-0.56	182.28	-0.15	0.25
8	8	0	20.84	23.62	23.61	0.49	1.18	-2.78	0.23
9	8	0	8.70	9.50	9.50	0.12	0.74	-0.80	0.42
10	8	0	24.13	25.78	-25.78	-0.30	180.67	-1.66	0.24
11	8	0	55.37	56.91	56.90	1.19	1.20	-1.54	0.23
12	8	0	17.56	17.00	17.00	0.20	0.67	0.56	0.30
13	8	0	12.47	13.89	13.89	0.28	1.15	-1.42	0.37
14	8	0	16.01	15.57	-15.56	-0.68	182.52	0.43	0.38
15	8	0	19.67	19.18	19.17	0.49	1.47	0.48	0.34
16	8	0	4.30	1.98	-1.97	-0.22	186.42	2.32	1.15
17	8	0	11.73	11.62	11.60	0.66	3.25	0.11	0.51
18	8	0	10.91	9.99	9.98	0.41	2.37	0.92	0.54
19	8	0	28.70	28.04	28.03	0.82	1.68	0.65	0.35
20	8	0	39.97	38.43	38.43	-0.07	359.90	1.54	0.14
1	9	0	18.45	19.09	-19.09	-0.19	180.56	-0.64	0.18
2	9	0	13.91	12.92	12.92	0.01	0.05	0.99	0.20
3	9	0	22.25	23.35	23.35	0.31	0.76	-1.09	0.18
4	9	0	78.53	81.39	81.37	1.78	1.25	-2.86	0.17
5	9	0	14.29	15.05	-15.05	-0.14	180.52	-0.77	0.25
6	9	0	4.53	7.71	7.71	-0.07	359.49	-3.17	0.55
7	9	0	4.47	2.79	-2.78	0.16	176.65	1.68	0.58
8	9	0	58.30	60.22	60.20	1.54	1.47	-1.92	0.20
9	9	0	11.38	12.38	-12.38	-0.22	181.02	-1.00	0.33
10	9	0	4.01	2.51	2.49	0.28	6.48	1.51	0.91
11	9	0	17.94	17.60	17.59	0.59	1.93	0.34	0.29
12	9	0	9.44	7.04	7.00	0.73	5.92	2.40	0.47
13	9	0	5.13	3.09	3.09	0.00	0.02	2.04	0.89
14	9	0	5.02	3.25	3.25	-0.02	359.71	1.77	0.97
15	9	0	6.57	8.11	8.11	0.24	1.70	-1.54	1.10
16	9	0	13.52	15.16	15.15	0.31	1.19	-1.63	0.20
17	9	0	26.20	25.40	25.40	0.01	0.01	0.80	0.16
18	9	0	47.73	48.38	-48.37	-0.80	180.95	-0.65	0.15
19	9	0	4.33	4.96	4.96	0.29	3.41	-0.63	0.48
20	9	0	26.66	26.34	26.32	0.85	1.85	0.33	0.18
21	9	0	6.72	7.26	-7.26	-0.30	182.34	-0.54	0.40
22	9	0	5.58	7.61	-7.61	-0.23	181.75	-2.03	0.49
23	9	0	23.36	24.08	-24.07	-0.22	180.51	-0.72	0.20
24	9	0	6.85	6.46	6.44	0.57	5.10	0.38	0.44
25	9	0	11.75	11.85	11.85	-0.03	359.86	-0.10	0.33

11	10	0	20.07	20.03	-20.02	-0.55	181.59	0.04	0.27
12	10	0	8.33	6.83	6.82	0.15	1.27	1.51	0.45
13	10	0	10.67	10.40	10.40	-0.01	359.96	0.26	0.40
14	10	0	21.27	22.54	22.54	0.52	1.33	-1.27	0.30
15	10	0	15.17	14.57	-14.56	-0.51	182.00	0.60	0.36
16	10	0	20.26	20.37	-20.37	-0.54	181.51	-0.11	0.34
19	10	0	13.77	12.31	-12.30	-0.31	181.47	1.47	0.48
21	10	0	18.54	19.36	-19.35	-0.70	182.08	-0.82	0.48
1	11	0	18.52	18.20	-18.19	-0.53	181.66	0.32	0.20
2	11	0	11.54	11.56	-11.56	-0.17	180.87	-0.02	0.26
3	11	0	7.65	9.70	9.69	0.39	2.33	-2.04	0.33
4	11	0	20.91	20.65	20.65	0.41	1.14	0.25	0.20
5	11	0	10.20	8.84	-8.84	0.10	179.36	1.36	0.29
6	11	0	55.76	57.93	57.90	1.71	1.69	-2.17	0.18
7	11	0	21.33	22.53	-22.52	-0.49	181.24	-1.19	0.21
8	11	0	14.91	14.13	14.11	0.79	3.19	0.78	0.26
9	11	0	23.21	24.16	-24.16	-0.26	180.61	-0.94	0.23
10	11	0	30.94	32.63	32.62	0.46	0.82	-1.69	0.23
11	11	0	6.01	8.66	-8.66	0.03	179.79	-2.65	0.61
12	11	0	21.03	21.99	21.99	0.57	1.48	-0.97	0.29
13	11	0	14.23	14.11	14.10	0.64	2.58	0.12	0.35
14	11	0	10.76	12.14	12.11	0.84	3.95	-1.38	0.47
15	11	0	17.30	17.63	-17.61	-0.89	182.88	-0.34	0.37
16	11	0	15.81	17.19	17.18	0.51	1.69	-1.38	0.40
17	11	0	16.21	16.42	16.41	0.57	1.97	-0.21	0.43
18	11	0	10.82	10.62	-10.60	-0.69	183.71	0.20	0.58
19	11	0	8.60	7.68	-7.67	-0.16	181.17	0.92	0.75
20	11	0	9.15	9.66	-9.66	-0.25	181.46	-0.51	0.73
1	12	0	116.76	115.82	115.79	2.56	1.27	0.94	0.16
2	12	0	45.64	45.49	-45.49	-0.89	181.12	0.14	0.17
3	12	0	12.59	12.84	-12.84	-0.10	180.46	-0.25	0.24
4	12	0	4.20	5.43	5.43	-0.09	359.02	-1.22	0.59
5	12	0	14.58	15.64	15.64	0.51	1.88	-1.06	0.23
6	12	0	3.89	3.45	3.43	0.38	6.30	0.44	0.67
7	12	0	4.22	4.95	-4.95	-0.01	180.08	-0.73	0.61
8	12	0	38.69	41.80	41.79	0.81	1.11	-3.11	0.20
9	12	0	10.79	12.69	12.66	0.80	3.63	-1.90	0.32
10	12	0	24.81	26.08	-26.08	-0.54	181.19	-1.28	0.23
11	12	0	6.98	9.02	9.02	0.13	0.84	-2.04	0.49
12	12	0	8.63	8.83	-8.82	-0.37	182.41	-0.20	0.43
13	12	0	52.34	54.44	-54.42	-1.44	181.52	-2.10	0.23
14	12	0	15.23	17.00	16.99	0.46	1.57	-1.77	0.36
15	12	0	11.17	11.95	-11.95	-0.11	180.54	-0.78	0.46
16	12	0	6.16	7.51	-7.50	-0.46	183.54	-1.36	0.90
17	12	0	11.72	9.12	-9.12	-0.38	182.40	2.60	0.51
19	12	0	15.03	14.42	-14.41	-0.65	182.60	0.61	0.50
20	12	0	31.99	29.69	-29.67	-1.04	182.01	2.30	0.37
1	13	0	39.31	39.09	39.09	0.44	0.65	0.22	0.18
2	13	0	16.69	18.50	18.50	0.55	1.70	-1.81	0.23
3	13	0	20.07	20.44	-20.43	-0.35	180.97	-0.36	0.21
4	13	0	17.51	17.81	17.80	0.57	1.83	-0.31	0.23
5	13	0	52.92	55.80	-55.79	-1.00	181.03	-2.88	0.19
6	13	0	25.27	25.65	-25.63	-0.99	182.20	-0.37	0.21
7	13	0	3.55	3.74	3.69	0.63	9.68	-0.19	0.82
8	13	0	32.06	33.08	33.07	0.89	1.53	-1.02	0.23
9	13	0	12.41	13.35	13.35	0.10	0.45	-0.94	0.34
10	13	0	18.32	20.60	20.60	0.27	0.76	-2.28	0.29
11	13	0	17.90	17.65	-17.64	-0.57	181.86	0.25	0.29
12	13	0	16.70	17.97	17.96	0.57	1.81	-1.27	0.34
13	13	0	14.57	13.89	-13.88	-0.46	181.90	0.68	0.38

14	13	0	31.68	33.03	-33.02	-0.76	181.32	-1.35	0.29
16	13	0	8.41	9.34	9.34	0.30	1.84	-0.93	0.67
17	13	0	17.67	17.50	17.49	0.79	2.57	0.17	0.39
18	13	0	11.20	13.10	13.09	0.29	1.28	-1.90	0.60
0	14	0	15.44	16.33	16.32	0.70	2.45	-0.89	0.23
1	14	0	21.10	21.61	21.61	0.31	0.82	-0.52	0.21
2	14	0	28.29	28.76	28.75	0.85	1.69	-0.46	0.20
3	14	0	16.65	16.71	16.70	0.58	1.98	-0.06	0.24
4	14	0	67.40	68.46	68.45	1.28	1.07	-1.06	0.19
8	14	0	22.00	22.65	-22.64	-0.45	181.13	-0.64	0.25
10	14	0	12.54	14.37	14.37	0.15	0.60	-1.83	0.37
11	14	0	32.95	35.59	35.59	0.95	1.53	-2.65	0.25
13	14	0	13.33	11.71	-11.70	-0.40	181.96	1.62	0.39
14	14	0	26.41	27.85	-27.85	-0.66	181.35	-1.44	0.30
15	14	0	4.15	1.49	1.49	-0.06	357.61	2.66	1.18
16	14	0	19.80	18.73	-18.70	-1.07	183.26	1.06	0.37
18	14	0	14.93	13.63	-13.62	-0.50	182.12	1.30	0.48
20	14	0	8.30	4.52	-4.52	-0.23	182.98	3.77	0.78
1	15	0	17.51	17.04	17.04	-0.03	359.89	0.47	0.23
2	15	0	10.57	8.09	8.07	-0.61	355.69	2.47	0.31
3	15	0	19.24	21.60	21.60	0.30	0.80	-2.36	0.24
4	15	0	16.76	13.97	13.97	0.23	0.93	2.79	0.27
5	15	0	7.44	4.85	4.84	-0.10	358.80	2.59	0.39
6	15	0	53.75	56.71	-56.70	-1.17	181.18	-2.96	0.20
7	15	0	5.71	4.72	4.71	0.21	2.55	0.99	0.52
8	15	0	3.40	6.04	-6.04	-0.06	180.55	-2.64	1.07
9	15	0	27.16	28.54	-28.54	-0.67	181.35	-1.39	0.25
10	15	0	35.89	37.47	-37.45	-1.21	181.86	-1.58	0.24
12	15	0	14.94	17.01	17.01	0.15	0.49	-2.07	0.37
13	15	0	5.73	7.63	-7.62	-0.31	182.36	-1.90	0.85
15	15	0	11.69	12.97	12.96	0.17	0.77	-1.28	0.51
17	15	0	9.42	9.05	-9.03	-0.46	182.94	0.37	0.63
18	15	0	8.30	4.40	4.40	0.15	1.99	3.90	0.72
19	15	0	8.60	5.66	5.66	0.09	0.91	2.93	0.69
0	16	0	20.47	20.06	-20.05	-0.48	181.37	0.41	0.24
1	16	0	32.11	32.24	32.23	0.56	0.99	-0.12	0.21
2	16	0	30.73	31.17	31.16	0.98	1.80	-0.44	0.21
3	16	0	6.98	5.99	-5.99	-0.11	181.10	0.99	0.45
4	16	0	12.32	13.19	13.19	-0.02	359.91	-0.87	0.31
5	16	0	4.12	4.58	-4.57	-0.16	181.98	-0.45	0.80
6	16	0	20.97	19.68	19.67	0.63	1.84	1.29	0.27
8	16	0	17.04	18.01	-18.01	-0.32	181.01	-0.97	0.31
9	16	0	12.97	12.83	12.83	0.05	0.22	0.13	0.38
10	16	0	8.12	7.47	7.46	-0.26	358.00	0.65	0.57
11	16	0	13.45	14.33	14.32	0.58	2.30	-0.88	0.39
12	16	0	12.47	13.83	13.83	0.16	0.64	-1.36	0.44
13	16	0	17.19	17.82	-17.82	-0.43	181.37	-0.63	0.36
15	16	0	9.51	10.16	10.15	0.51	2.89	-0.65	0.59
16	16	0	6.63	5.94	-5.94	-0.18	181.77	0.69	0.82
18	16	0	16.94	17.04	-17.02	-0.75	182.52	-0.10	0.45
1	17	0	3.66	0.46	0.41	-0.22	332.23	3.20	0.91
2	17	0	34.72	34.93	-34.92	-0.78	181.27	-0.21	0.23
3	17	0	11.96	11.78	11.77	0.48	2.36	0.18	0.35
4	17	0	40.76	43.32	-43.31	-0.62	180.82	-2.56	0.23
5	17	0	26.11	27.54	27.53	0.63	1.31	-1.43	0.24
6	17	0	13.86	15.34	-15.32	-0.60	182.22	-1.48	0.34
7	17	0	9.05	10.11	-10.10	-0.42	182.38	-1.06	0.44
8	17	0	19.85	21.60	-21.59	-0.71	181.88	-1.75	0.29
9	17	0	26.37	27.03	-27.03	-0.43	180.92	-0.66	0.27
10	17	0	35.11	35.54	-35.53	-1.14	181.84	-0.44	0.26

11	17	0	13.99	14.63	14.62	0.58	2.29	-0.64	0.39
12	17	0	22.04	23.94	-23.94	-0.93	182.22	-1.91	0.33
17	17	0	18.85	20.03	-20.02	-0.85	182.43	-1.19	0.43
18	17	0	6.69	4.82	4.82	0.10	1.17	1.86	0.94
0	18	0	41.90	40.93	-40.92	-0.82	181.15	0.97	0.23
1	18	0	9.80	11.01	-11.01	-0.22	181.16	-1.22	0.39
2	18	0	16.89	16.09	16.09	0.24	0.84	0.80	0.29
3	18	0	28.31	28.06	-28.04	-1.06	182.16	0.26	0.24
4	18	0	32.30	31.72	-31.70	-1.17	182.11	0.58	0.23
5	18	0	24.07	25.41	25.41	0.79	1.77	-1.35	0.26
6	18	0	9.92	9.71	-9.71	-0.05	180.29	0.21	0.39
7	18	0	9.72	10.97	10.97	0.21	1.09	-1.26	0.46
8	18	0	11.75	12.60	-12.60	0.26	178.83	-0.85	0.43
9	18	0	12.55	13.66	-13.65	-0.49	182.06	-1.11	0.42
11	18	0	14.96	14.62	-14.61	-0.50	181.98	0.34	0.40
12	18	0	11.24	12.35	12.35	0.26	1.21	-1.12	0.48
13	18	0	10.20	8.99	8.98	0.48	3.06	1.21	0.53
14	18	0	5.51	2.92	-2.92	-0.17	183.37	2.59	0.90
15	18	0	14.93	15.50	15.48	0.70	2.60	-0.57	0.45
16	18	0	13.62	12.65	12.62	0.87	3.94	0.97	0.48
17	18	0	12.31	9.73	-9.73	-0.38	182.21	2.58	0.55
1	19	0	26.29	26.11	26.10	0.81	1.77	0.17	0.26
2	19	0	7.30	8.00	7.99	0.33	2.35	-0.70	0.55
3	19	0	41.22	41.71	-41.70	-0.81	181.12	-0.49	0.23
4	19	0	24.64	25.62	-25.61	-0.73	181.63	-0.98	0.28
5	19	0	5.96	3.73	3.73	-0.08	358.82	2.23	0.66
6	19	0	6.60	5.51	-5.51	-0.26	182.71	1.09	0.61
7	19	0	6.53	4.91	4.90	0.31	3.66	1.61	0.64
8	19	0	30.70	32.59	-32.58	-0.97	181.71	-1.89	0.28
9	19	0	18.40	18.68	18.66	0.98	3.00	-0.28	0.33
10	19	0	9.52	7.80	7.80	0.31	2.27	1.72	0.47
11	19	0	15.03	16.36	-16.35	-0.56	181.97	-1.33	0.41
12	19	0	9.57	11.50	-11.47	-0.76	183.80	-1.92	0.64
13	19	0	4.47	6.75	-6.74	-0.39	183.27	-2.29	1.28
15	19	0	14.37	14.52	14.51	0.60	2.37	-0.16	0.48
16	19	0	10.58	9.77	-9.77	-0.24	181.40	0.80	0.67
0	20	0	44.94	43.81	-43.79	-1.13	181.48	1.14	0.23
1	20	0	15.75	15.58	15.57	0.44	1.61	0.17	0.32
2	20	0	23.33	25.50	-25.49	-0.82	181.83	-2.17	0.28
3	20	0	12.51	9.25	9.25	0.28	1.73	3.26	0.38
4	20	0	7.18	4.55	-4.54	-0.37	184.64	2.63	0.58
5	20	0	11.00	9.79	-9.79	-0.39	182.31	1.20	0.40
6	20	0	25.96	27.72	-27.72	-0.63	181.30	-1.77	0.29
7	20	0	24.54	23.94	-23.92	-0.86	182.06	0.60	0.29
8	20	0	10.04	8.35	-8.35	-0.12	180.79	1.69	0.55
12	20	0	20.34	19.76	19.74	0.76	2.22	0.58	0.38
14	20	0	4.69	5.81	5.80	0.27	2.69	-1.12	1.13
15	20	0	9.54	9.17	-9.16	-0.53	183.32	0.37	0.67
16	20	0	16.90	14.62	14.61	0.55	2.16	2.28	0.45
1	21	0	5.68	5.51	5.51	-0.14	358.53	0.17	0.69
2	21	0	16.57	15.48	-15.48	0.19	179.28	1.09	0.31
4	21	0	7.83	7.93	-7.93	-0.15	181.09	-0.10	0.55
5	21	0	10.41	11.26	11.26	0.44	2.25	-0.85	0.48
6	21	0	34.07	34.72	34.71	0.83	1.36	-0.65	0.27
7	21	0	12.28	11.21	-11.20	-0.36	181.83	1.07	0.42
8	21	0	7.43	4.85	-4.84	-0.35	184.18	2.58	0.62
9	21	0	4.74	2.27	2.24	0.34	8.52	2.47	0.97
10	21	0	9.97	9.47	9.45	0.55	3.34	0.51	0.52
12	21	0	10.11	7.01	7.00	0.20	1.66	3.10	0.57
13	21	0	15.32	15.01	15.00	0.64	2.46	0.30	0.46

14	21	0	8.99	8.11	8.10	0.22	1.58	0.88	0.66
0	22	0	8.68	4.05	-4.05	-0.07	180.98	4.63	0.51
1	22	0	6.90	6.18	-6.17	-0.26	182.43	0.72	0.63
2	22	0	32.83	32.99	-32.97	-1.11	181.93	-0.16	0.27
3	22	0	5.33	5.47	5.45	0.44	4.65	-0.14	0.78
4	22	0	15.39	13.47	13.47	0.07	0.28	1.92	0.36
5	22	0	8.75	8.29	-8.28	-0.39	182.68	0.46	0.54
6	22	0	16.93	16.19	-16.18	-0.43	181.54	0.74	0.37
7	22	0	4.60	2.73	2.73	-0.21	355.68	1.86	0.97
9	22	0	8.64	9.40	9.40	0.23	1.42	-0.77	0.62
10	22	0	7.31	5.44	5.44	-0.02	359.84	1.87	0.73
11	22	0	8.74	9.40	-9.39	-0.34	182.09	-0.66	0.66
12	22	0	5.99	7.08	7.07	0.23	1.85	-1.09	1.03
14	22	0	20.08	21.95	21.94	0.80	2.08	-1.87	0.41
15	22	0	21.84	21.27	-21.26	-0.61	181.63	0.57	0.42
1	23	0	8.04	7.68	-7.66	-0.60	184.48	0.36	0.56
2	23	0	10.09	6.51	6.51	0.23	2.01	3.58	0.48
3	23	0	10.40	9.43	9.42	0.36	2.16	0.97	0.48
4	23	0	7.07	7.33	7.32	0.39	3.02	-0.26	0.67
6	23	0	21.03	18.80	18.79	0.76	2.31	2.23	0.34
7	23	0	6.74	7.85	-7.85	-0.32	182.31	-1.11	0.76
8	23	0	12.18	11.21	11.18	0.81	4.16	0.97	0.47
9	23	0	4.58	1.98	-1.96	-0.29	188.40	2.60	1.06
10	23	0	10.21	10.38	10.37	0.48	2.67	-0.17	0.58
11	23	0	13.46	12.13	12.12	0.33	1.56	1.33	0.48
12	23	0	18.34	19.05	19.04	0.58	1.73	-0.71	0.43
13	23	0	14.38	17.72	17.71	0.69	2.23	-3.34	0.53
14	23	0	12.28	13.45	13.45	0.21	0.91	-1.17	0.62
0	24	0	28.46	26.14	26.13	0.63	1.39	2.31	0.29
1	24	0	17.13	16.89	-16.87	-0.89	183.02	0.24	0.34
3	24	0	4.86	0.86	0.86	-0.09	354.15	4.00	0.93
4	24	0	5.33	4.38	4.37	0.32	4.23	0.95	0.94
5	24	0	6.76	6.06	6.05	0.29	2.78	0.70	0.74
6	24	0	5.10	2.66	-2.66	-0.09	181.88	2.44	1.00
7	24	0	21.73	20.66	20.64	0.78	2.18	1.07	0.34
9	24	0	11.78	12.39	-12.37	-0.55	182.56	-0.61	0.50
10	24	0	10.68	10.00	10.00	0.28	1.61	0.68	0.58
11	24	0	8.74	9.14	-9.13	-0.45	182.85	-0.40	0.74
12	24	0	10.76	11.44	-11.43	-0.36	181.83	-0.68	0.67
13	24	0	9.31	8.78	8.77	0.36	2.35	0.53	0.77
1	25	0	6.69	3.58	3.57	0.29	4.69	3.11	0.72
2	25	0	5.44	2.82	-2.82	0.03	179.29	2.62	0.87
3	25	0	13.24	14.00	-13.99	-0.43	181.76	-0.75	0.45
4	25	0	12.89	14.30	14.28	0.66	2.66	-1.41	0.48
5	25	0	24.34	24.61	-24.59	-1.02	182.38	-0.28	0.34
6	25	0	7.22	8.05	8.05	0.20	1.45	-0.83	0.80
7	25	0	21.38	21.64	21.63	0.80	2.12	-0.26	0.37
8	25	0	25.09	25.64	25.62	0.95	2.13	-0.55	0.35
9	25	0	4.93	3.78	3.78	0.05	0.74	1.14	1.17
11	25	0	9.71	9.18	-9.18	-0.27	181.69	0.53	0.70
12	25	0	18.31	17.65	17.64	0.71	2.30	0.65	0.48
0	26	0	22.76	21.43	21.42	0.63	1.69	1.33	0.35
1	26	0	13.22	13.60	13.59	0.52	2.20	-0.38	0.47
2	26	0	16.42	16.71	16.70	0.70	2.40	-0.29	0.43
3	26	0	11.86	9.58	9.57	0.50	3.01	2.28	0.48
4	26	0	5.28	6.16	6.15	0.31	2.87	-0.88	1.01
5	26	0	16.59	14.34	-14.33	-0.36	181.43	2.25	0.40
6	26	0	10.84	9.29	9.28	0.39	2.42	1.55	0.56
7	26	0	4.53	0.23	-0.23	-0.03	188.21	4.30	1.25
8	26	0	11.84	10.19	-10.19	-0.09	180.51	1.65	0.57



9	26	0	6.10	7.91	7.90	0.31	2.25	-1.81	1.03
1	27	0	9.37	8.55	-8.55	-0.23	181.55	0.82	0.61
3	27	0	7.63	8.97	8.96	0.32	2.06	-1.34	0.73
4	27	0	5.29	5.43	5.42	0.33	3.47	-0.14	1.03
5	27	0	7.03	5.94	-5.94	-0.13	181.21	1.09	0.82
6	27	0	7.09	5.99	-5.98	-0.30	182.85	1.11	0.82
8	27	0	9.39	5.88	5.87	0.19	1.81	3.52	0.67
9	27	0	19.54	18.32	-18.31	-0.59	181.83	1.22	0.42
0	28	0	15.20	16.14	16.14	0.30	1.05	-0.94	0.47
1	28	0	11.87	13.63	13.62	0.54	2.25	-1.76	0.55
2	28	0	17.90	18.14	18.12	0.88	2.78	-0.24	0.42
4	28	0	4.26	1.81	-1.81	0.09	177.19	2.44	1.35
5	28	0	7.71	7.19	7.18	0.24	1.94	0.52	0.81
6	28	0	10.76	11.06	11.05	0.55	2.86	-0.31	0.61
7	28	0	6.52	7.08	-7.08	-0.04	180.33	-0.57	0.92
2	29	0	8.93	5.43	-5.43	-0.09	180.93	3.50	0.70
3	29	0	9.92	10.59	10.58	0.32	1.72	-0.66	0.70
4	29	0	13.77	15.81	-15.80	-0.39	181.41	-2.04	0.54
6	0	1	30.27	31.65	-31.65	-0.28	180.50	-1.38	0.16
8	0	1	14.32	15.11	15.10	0.25	0.93	-0.78	0.24
9	0	1	3.57	0.29	-0.00	-0.29	269.65	3.28	0.82
10	0	1	8.97	8.29	8.29	0.21	1.48	0.68	0.37
11	0	1	3.80	1.02	-0.00	-1.02	269.89	2.78	0.81
12	0	1	9.28	8.38	-8.36	-0.51	183.51	0.90	0.38
14	0	1	11.88	11.06	11.03	0.84	4.35	0.81	0.37
18	0	1	46.95	45.00	44.99	1.04	1.33	1.95	0.29
20	0	1	15.33	16.21	-16.20	-0.65	182.29	-0.89	0.45
22	0	1	18.47	17.90	17.88	0.69	2.20	0.57	0.45
5	1	1	30.20	28.91	28.76	-2.93	354.18	1.29	0.14
6	1	1	11.85	10.46	-10.46	-0.26	181.42	1.39	0.23
7	1	1	48.41	48.63	-48.62	-1.01	181.19	-0.22	0.16
8	1	1	21.55	20.84	20.83	0.25	0.68	0.72	0.20
9	1	1	82.87	82.58	-82.57	-1.60	181.11	0.28	0.18
10	1	1	4.31	5.81	-5.81	-0.06	180.56	-1.51	0.70
11	1	1	9.16	9.38	-9.34	-0.91	185.60	-0.22	0.39
12	1	1	6.99	7.33	7.32	0.34	2.64	-0.34	0.50
13	1	1	31.54	30.99	-30.98	0.52	179.04	0.55	0.24
14	1	1	10.77	9.56	-9.55	-0.33	182.00	1.21	0.39
15	1	1	15.59	14.36	14.30	1.29	5.15	1.23	0.35
16	1	1	8.31	7.81	7.81	0.14	1.05	0.50	0.59
17	1	1	15.20	14.81	-14.73	-1.49	185.79	0.39	0.39
18	1	1	13.24	14.08	14.07	0.36	1.47	-0.84	0.49
19	1	1	7.65	9.06	9.04	-0.59	356.28	-1.42	0.73
20	1	1	4.23	4.08	-4.07	-0.32	184.56	0.15	1.40
21	1	1	9.91	9.19	9.17	0.56	3.52	0.71	0.64
22	1	1	4.85	4.06	-4.06	-0.14	181.95	0.79	1.42
5	2	1	16.85	17.09	-17.09	0.11	179.62	-0.24	0.18
6	2	1	18.62	18.29	18.29	-0.34	358.94	0.32	0.18
7	2	1	23.46	22.63	-22.61	0.84	177.86	0.82	0.19
8	2	1	12.63	12.10	12.10	-0.17	359.21	0.52	0.26
9	2	1	63.21	63.63	63.60	1.80	1.62	-0.41	0.18
11	2	1	10.48	9.51	-9.51	0.11	179.35	0.96	0.35
12	2	1	13.87	13.42	-13.42	0.18	179.25	0.45	0.29
13	2	1	20.06	17.79	17.77	0.94	3.03	2.26	0.29
15	2	1	34.62	33.47	33.47	-0.16	359.73	1.15	0.26
16	2	1	4.14	4.32	-4.31	-0.31	184.11	-0.18	1.06
17	2	1	38.59	36.89	36.89	0.24	0.38	1.70	0.28
18	2	1	21.80	21.77	21.76	0.45	1.18	0.03	0.34
4	3	1	35.85	36.73	36.73	-0.33	359.48	-0.88	0.13
5	3	1	52.30	52.47	-52.43	1.98	177.84	-0.17	0.14

6	3	1	11.80	14.17	-14.17	-0.24	180.96	-2.37	0.23
7	3	1	48.66	46.53	-46.52	-0.70	180.87	2.13	0.16
8	3	1	41.51	40.73	40.71	1.12	1.58	0.78	0.18
9	3	1	15.03	15.26	15.25	0.61	2.29	-0.22	0.25
10	3	1	11.08	9.38	-9.38	-0.11	180.68	1.70	0.32
11	3	1	9.23	9.54	9.52	0.60	3.62	-0.31	0.39
12	3	1	35.22	32.00	32.00	0.62	1.11	3.22	0.23
13	3	1	21.83	19.12	-19.02	-1.95	185.85	2.71	0.28
14	3	1	6.23	5.55	-5.54	-0.31	183.25	0.68	0.63
15	3	1	25.39	26.12	-26.08	-1.49	183.27	-0.73	0.29
16	3	1	5.41	8.29	8.29	0.22	1.54	-2.87	0.89
17	3	1	31.44	30.26	30.24	1.31	2.49	1.18	0.29
19	3	1	12.72	11.80	11.73	1.25	6.10	0.92	0.48
20	3	1	7.60	10.32	-10.31	-0.58	183.21	-2.72	0.84
21	3	1	4.28	1.58	-1.54	-0.37	193.39	2.70	1.38
4	4	1	16.03	13.85	13.85	0.28	1.14	2.18	0.16
5	4	1	39.37	40.03	40.03	0.13	0.18	-0.65	0.14
6	4	1	11.12	11.87	-11.87	0.21	178.98	-0.75	0.25
7	4	1	111.61	106.67	-106.63	-3.06	181.65	4.94	0.15
8	4	1	4.37	1.39	-1.37	0.20	171.86	2.99	0.63
9	4	1	5.17	2.05	2.05	-0.05	358.74	3.12	0.50
10	4	1	8.64	8.26	-8.26	-0.11	180.79	0.37	0.36
11	4	1	13.64	11.31	11.31	-0.54	357.26	2.33	0.29
13	4	1	47.22	44.65	44.64	0.98	1.26	2.58	0.23
14	4	1	28.88	25.18	-25.17	-0.83	181.89	3.70	0.26
15	4	1	4.33	1.99	1.59	1.20	37.06	2.34	0.94
16	4	1	9.36	9.11	9.10	0.24	1.52	0.25	0.55
17	4	1	10.20	10.03	9.96	1.17	6.70	0.17	0.53
18	4	1	13.84	15.06	-15.06	-0.20	180.78	-1.22	0.44
19	4	1	34.05	32.79	32.78	0.85	1.49	1.26	0.31
20	4	1	7.74	7.25	7.23	0.44	3.50	0.49	0.79
21	4	1	19.90	19.64	19.64	0.13	0.39	0.26	0.41
22	4	1	8.19	7.26	-7.25	-0.42	183.28	0.93	0.84
2	5	1	5.05	4.57	-4.51	0.71	171.04	0.49	0.36
3	5	1	26.81	26.86	26.84	-1.02	357.83	-0.05	0.14
4	5	1	14.14	10.50	-10.47	0.79	175.70	3.64	0.18
5	5	1	28.18	28.51	28.42	-2.25	355.47	-0.33	0.15
6	5	1	12.26	12.83	12.83	0.18	0.80	-0.57	0.23
7	5	1	73.43	72.56	72.55	1.25	0.98	0.87	0.16
8	5	1	3.68	4.84	-4.83	-0.31	183.61	-1.16	0.73
10	5	1	4.23	4.96	-4.92	-0.61	187.11	-0.73	0.71
12	5	1	34.16	31.85	31.85	0.60	1.09	2.31	0.23
13	5	1	42.79	38.83	38.76	2.47	3.65	3.95	0.23
14	5	1	8.93	8.38	8.38	0.33	2.22	0.54	0.50
16	5	1	15.10	15.97	-15.97	0.17	179.39	-0.87	0.37
18	5	1	8.34	6.97	-6.96	-0.23	181.86	1.38	0.69
19	5	1	17.71	16.01	-15.95	-1.37	184.92	1.70	0.42
20	5	1	4.70	1.27	-1.27	-0.11	184.85	3.43	1.17
21	5	1	7.40	7.40	7.39	0.33	2.54	0.00	0.88
1	6	1	32.58	30.11	-29.91	-3.44	186.55	2.47	0.13
2	6	1	4.54	6.79	6.76	0.60	5.03	-2.25	0.41
3	6	1	15.33	16.86	-16.38	-4.01	193.75	-1.54	0.17
4	6	1	14.84	13.65	-13.64	-0.61	182.58	1.19	0.19
5	6	1	18.75	17.91	-17.91	0.20	179.38	0.84	0.18
6	6	1	11.02	11.49	11.48	-0.40	358.00	-0.47	0.25
7	6	1	8.52	8.89	8.80	1.27	8.23	-0.36	0.36
8	6	1	12.04	11.53	11.53	-0.20	358.99	0.52	0.29
9	6	1	28.68	28.53	-28.53	0.01	179.97	0.16	0.20
10	6	1	21.70	20.84	-20.84	-0.10	180.27	0.86	0.23
11	6	1	13.38	14.32	-14.29	1.00	176.00	-0.94	0.29

12	6	1	10.77	12.16	-12.16	0.27	178.73	-1.39	0.39
14	6	1	20.00	20.86	-20.86	-0.55	181.50	-0.87	0.30
15	6	1	20.88	18.68	18.67	-0.43	358.67	2.20	0.30
16	6	1	32.98	32.94	32.93	0.64	1.12	0.05	0.29
17	6	1	7.06	6.32	6.28	-0.71	353.52	0.74	0.71
18	6	1	26.08	24.09	-24.06	-1.20	182.86	1.99	0.33
0	7	1	4.86	1.05	-0.94	-0.48	206.93	3.81	0.39
1	7	1	50.41	48.14	-47.93	-4.50	185.37	2.26	0.14
2	7	1	8.23	5.61	-5.57	-0.65	186.64	2.62	0.24
3	7	1	52.21	52.20	52.14	2.62	2.88	0.01	0.14
4	7	1	13.59	12.24	-12.21	-0.85	183.99	1.35	0.20
5	7	1	39.50	38.40	38.28	3.08	4.59	1.10	0.16
6	7	1	5.30	0.17	-0.17	0.03	168.75	5.13	0.48
7	7	1	95.08	95.18	95.16	1.62	0.97	-0.09	0.16
8	7	1	34.95	33.15	-33.15	-0.07	180.13	1.81	0.19
9	7	1	14.06	16.19	16.15	1.01	3.59	-2.12	0.27
10	7	1	13.71	15.27	15.24	0.95	3.56	-1.56	0.29
11	7	1	7.30	5.96	5.95	0.35	3.34	1.33	0.47
12	7	1	9.03	8.96	8.96	0.02	0.12	0.06	0.43
13	7	1	33.74	33.46	33.46	0.21	0.35	0.28	0.25
15	7	1	4.49	5.86	5.84	-0.47	355.38	-1.37	1.06
16	7	1	22.23	20.48	-20.48	-0.33	180.93	1.76	0.33
17	7	1	12.98	13.10	13.06	0.95	4.15	-0.12	0.46
18	7	1	6.57	8.33	8.33	0.14	0.94	-1.76	0.87
19	7	1	12.44	12.90	-12.90	0.02	179.90	-0.46	0.54
20	7	1	15.71	14.77	14.76	0.53	2.07	0.94	0.47
21	7	1	9.48	8.95	-8.94	-0.38	182.46	0.53	0.73
1	8	1	59.31	58.40	58.28	3.68	3.61	0.91	0.14
2	8	1	12.02	11.08	-11.05	-0.78	184.02	0.94	0.20
3	8	1	29.34	26.50	26.25	3.58	7.77	2.84	0.16
5	8	1	64.51	61.34	-61.32	-1.55	181.45	3.17	0.15
6	8	1	50.93	51.23	51.20	1.59	1.77	-0.30	0.17
7	8	1	62.92	66.57	66.57	0.59	0.51	-3.65	0.17
8	8	1	20.03	19.54	-19.54	0.10	179.71	0.49	0.23
9	8	1	3.36	2.27	2.24	-0.36	350.86	1.09	0.82
11	8	1	3.76	1.88	-1.72	-0.76	203.73	1.89	0.84
13	8	1	40.56	39.69	-39.65	-1.77	182.56	0.87	0.24
14	8	1	7.75	6.09	-6.08	-0.20	181.88	1.66	0.56
15	8	1	10.24	9.62	9.56	1.08	6.44	0.63	0.48
16	8	1	3.81	2.45	-2.45	-0.12	182.84	1.36	1.18
18	8	1	17.00	16.89	-16.88	-0.52	181.78	0.11	0.40
19	8	1	18.72	17.80	-17.77	-1.09	183.52	0.92	0.40
20	8	1	5.81	8.85	8.85	0.27	1.77	-3.05	1.15
21	8	1	13.31	13.58	-13.54	-1.03	184.36	-0.27	0.62
0	9	1	42.84	42.29	42.28	0.62	0.84	0.55	0.15
1	9	1	61.22	58.47	58.33	4.01	3.94	2.76	0.14
2	9	1	6.18	4.46	-4.39	0.80	169.72	1.72	0.37
3	9	1	51.28	50.01	50.00	-0.70	359.20	1.27	0.15
4	9	1	29.97	28.63	-28.63	0.07	179.87	1.34	0.17
5	9	1	9.54	8.77	8.54	-2.01	346.74	0.77	0.29
6	9	1	15.75	15.13	15.13	0.24	0.91	0.61	0.23
7	9	1	22.52	22.62	-22.62	-0.28	180.71	-0.10	0.20
8	9	1	7.03	7.82	7.80	-0.61	355.51	-0.80	0.44
9	9	1	21.93	21.72	21.69	1.08	2.84	0.21	0.23
10	9	1	9.90	10.81	10.81	-0.21	358.88	-0.91	0.37
11	9	1	33.86	34.01	34.00	0.81	1.37	-0.15	0.23
12	9	1	14.86	14.10	-14.05	-1.16	184.71	0.76	0.32
15	9	1	10.29	10.81	-10.81	0.39	177.91	-0.52	0.49
16	9	1	8.67	7.76	7.75	0.49	3.63	0.91	0.59
17	9	1	17.83	18.15	18.14	-0.26	359.19	-0.32	0.38

19	9	1	10.35	11.84	11.84	-0.21	358.99	-1.49	0.63
20	9	1	6.81	10.79	10.79	0.07	0.35	-3.97	1.02
21	9	1	17.31	16.42	-16.41	-0.54	181.88	0.89	0.45
1	10	1	32.68	31.55	31.50	-1.82	356.70	1.13	0.16
2	10	1	30.86	26.41	26.38	1.18	2.56	4.45	0.17
3	10	1	108.78	107.22	107.21	-0.61	359.67	1.56	0.15
4	10	1	7.55	9.67	9.66	-0.36	357.86	-2.12	0.37
5	10	1	23.22	22.57	22.54	1.12	2.85	0.65	0.20
6	10	1	7.92	5.31	-5.17	-1.21	193.21	2.62	0.34
7	10	1	3.29	5.77	5.64	1.22	12.19	-2.48	0.80
8	10	1	5.15	6.83	-6.80	-0.54	184.55	-1.68	0.57
9	10	1	24.59	24.69	-24.67	-1.05	182.43	-0.10	0.21
10	10	1	22.39	22.24	22.21	1.08	2.80	0.15	0.24
11	10	1	8.75	6.69	6.58	1.16	10.00	2.06	0.43
12	10	1	5.99	1.83	-1.82	0.25	172.09	4.15	0.62
13	10	1	15.30	14.27	-14.27	0.00	179.99	1.03	0.34
14	10	1	6.01	8.07	-8.07	0.27	178.08	-2.07	0.71
15	10	1	22.89	23.66	-23.58	-1.93	184.68	-0.77	0.30
16	10	1	14.39	15.91	-15.90	-0.62	182.24	-1.52	0.44
17	10	1	20.27	21.01	-20.95	-1.62	184.41	-0.74	0.39
18	10	1	23.58	24.32	24.31	0.55	1.31	-0.74	0.36
19	10	1	11.06	11.94	-11.94	-0.21	181.01	-0.88	0.61
20	10	1	8.33	6.71	-6.70	-0.41	183.49	1.62	0.81
0	11	1	29.87	30.50	-30.50	-0.09	180.18	-0.63	0.18
1	11	1	46.00	45.11	45.07	-1.88	357.61	0.89	0.17
2	11	1	22.71	20.57	-20.53	-1.20	183.35	2.14	0.19
3	11	1	56.91	57.54	-57.54	-0.13	180.13	-0.63	0.17
4	11	1	37.09	36.12	36.12	-0.21	359.66	0.97	0.18
5	11	1	39.60	39.97	39.91	2.30	3.30	-0.37	0.18
6	11	1	14.04	12.38	12.38	-0.12	359.45	1.66	0.24
7	11	1	13.90	13.55	-13.55	-0.45	181.89	0.35	0.27
8	11	1	27.49	27.49	-27.49	-0.08	180.18	-0.00	0.21
9	11	1	25.30	23.51	-23.50	-0.73	181.78	1.79	0.23
10	11	1	10.97	12.07	-12.07	-0.09	180.44	-1.10	0.39
11	11	1	8.09	7.25	7.25	0.02	0.16	0.85	0.49
12	11	1	21.40	23.17	-23.14	-1.14	182.81	-1.77	0.29
13	11	1	10.74	9.39	9.39	-0.05	359.71	1.35	0.45
14	11	1	5.92	5.91	5.91	-0.18	358.29	0.01	0.83
15	11	1	17.03	17.40	-17.38	-0.93	183.05	-0.37	0.38
16	11	1	12.41	14.89	-14.89	-0.19	180.73	-2.49	0.54
17	11	1	33.83	33.53	33.43	2.61	4.46	0.30	0.18
3	12	1	33.02	31.35	31.25	2.42	4.42	1.67	0.19
4	12	1	4.58	4.60	-4.56	0.59	172.68	-0.01	0.63
6	12	1	7.29	8.03	-7.99	0.74	174.71	-0.74	0.41
7	12	1	5.38	6.59	-6.57	-0.55	184.78	-1.21	0.57
8	12	1	3.08	0.93	-0.59	0.72	129.25	2.15	0.99
9	12	1	7.29	6.35	6.35	0.22	1.98	0.93	0.48
10	12	1	9.28	10.36	-10.36	-0.21	181.14	-1.09	0.44
11	12	1	19.58	20.01	-19.97	-1.25	183.57	-0.43	0.29
12	12	1	3.43	1.00	0.70	-0.72	314.10	2.43	1.07
13	12	1	6.18	6.89	-6.87	-0.48	183.99	-0.70	0.74
14	12	1	24.51	24.66	24.66	0.51	1.17	-0.15	0.29
15	12	1	15.51	16.04	-16.04	0.15	179.46	-0.53	0.39
17	12	1	11.55	10.20	-10.19	0.21	178.80	1.35	0.47
18	12	1	21.00	21.90	21.88	0.96	2.52	-0.91	0.38
19	12	1	22.01	22.70	-22.68	-1.05	182.66	-0.69	0.41
20	12	1	9.75	10.62	-10.62	-0.36	181.94	-0.87	0.78
1	13	1	20.23	19.14	19.01	2.22	6.66	1.09	0.21
2	13	1	4.74	2.08	-1.94	0.75	158.91	2.67	0.53
3	13	1	19.55	19.40	-19.27	-2.21	186.53	0.15	0.23

4	13	1	17.91	18.41	18.36	1.48	4.60	-0.50	0.23
5	13	1	14.75	17.32	-17.23	-1.71	185.67	-2.56	0.26
6	13	1	21.65	21.08	-21.08	-0.32	180.88	0.57	0.23
7	13	1	15.33	15.44	-15.43	-0.57	182.11	-0.11	0.29
8	13	1	15.16	14.42	-14.41	-0.54	182.16	0.74	0.29
9	13	1	30.45	29.94	-29.91	-1.17	182.23	0.52	0.23
10	13	1	5.79	7.40	-7.36	-0.77	185.94	-1.61	0.67
11	13	1	25.55	25.30	-25.28	-0.96	182.17	0.25	0.27
12	13	1	8.68	9.62	9.62	0.23	1.36	-0.94	0.50
13	13	1	36.81	39.79	-39.79	-0.33	180.48	-2.98	0.27
14	13	1	11.82	11.07	-11.07	-0.08	180.42	0.75	0.49
16	13	1	19.05	21.99	-21.99	-0.04	180.11	-2.94	0.38
17	13	1	4.55	9.01	-8.98	-0.74	184.69	-4.46	1.31
1	14	1	9.35	10.31	-10.24	-1.16	186.45	-0.96	0.34
2	14	1	18.62	20.49	-20.48	-0.34	180.95	-1.86	0.24
3	14	1	37.52	38.13	-38.04	-2.60	183.91	-0.61	0.20
4	14	1	4.84	4.83	4.83	-0.17	357.97	0.00	0.59
5	14	1	8.95	10.48	10.46	0.59	3.21	-1.53	0.39
6	14	1	16.36	17.46	17.45	-0.63	357.93	-1.11	0.28
7	14	1	19.88	20.76	-20.76	-0.01	180.01	-0.88	0.26
9	14	1	28.87	29.85	29.83	1.01	1.93	-0.98	0.24
10	14	1	35.63	35.77	-35.77	-0.61	180.98	-0.15	0.24
11	14	1	25.69	25.52	-25.52	-0.31	180.69	0.18	0.27
12	14	1	16.12	17.34	17.32	0.89	2.93	-1.22	0.34
13	14	1	6.16	5.48	5.46	0.49	5.09	0.68	0.79
14	14	1	24.99	24.77	24.75	0.89	2.07	0.21	0.32
17	14	1	9.47	12.25	12.25	0.01	0.07	-2.78	0.71
0	15	1	20.44	19.47	19.46	0.76	2.23	0.96	0.23
1	15	1	3.08	3.85	3.53	-1.54	336.49	-0.77	0.97
2	15	1	12.34	13.26	13.25	-0.57	357.53	-0.92	0.29
3	15	1	16.60	17.22	17.18	1.21	4.02	-0.62	0.26
4	15	1	15.00	15.65	-15.59	-1.42	185.19	-0.65	0.29
5	15	1	46.56	45.73	-45.73	-0.24	180.31	0.83	0.20
7	15	1	21.36	20.04	-20.02	-1.07	183.07	1.31	0.27
8	15	1	30.60	32.02	31.97	1.73	3.10	-1.42	0.24
9	15	1	17.23	15.98	-15.97	-0.45	181.60	1.25	0.29
10	15	1	27.66	29.38	-29.38	0.14	179.73	-1.72	0.27
12	15	1	7.05	7.79	7.79	-0.02	359.86	-0.73	0.68
13	15	1	25.40	27.65	-27.62	-1.29	182.68	-2.25	0.31
15	15	1	10.68	9.69	-9.62	-1.10	186.49	1.00	0.53
16	15	1	13.24	13.19	13.19	0.34	1.49	0.05	0.51
17	15	1	13.37	12.47	12.44	0.76	3.51	0.90	0.47
18	15	1	6.26	7.05	-7.05	-0.20	181.59	-0.79	1.00
19	15	1	7.76	8.78	8.75	0.70	4.58	-1.02	1.01
1	16	1	39.01	36.26	-36.26	0.01	179.99	2.75	0.21
2	16	1	6.94	4.97	4.96	0.21	2.37	1.97	0.47
3	16	1	20.93	20.60	-20.59	0.54	178.49	0.34	0.25
4	16	1	4.07	1.94	1.91	0.34	10.00	2.13	0.76
5	16	1	16.06	16.43	16.43	-0.20	359.31	-0.37	0.29
6	16	1	16.68	16.42	-16.41	-0.24	180.82	0.26	0.28
7	16	1	29.22	30.27	-30.23	-1.48	182.81	-1.05	0.25
11	16	1	9.97	12.74	12.74	0.06	0.26	-2.76	0.49
12	16	1	10.83	13.89	13.89	-0.11	359.55	-3.05	0.52
13	16	1	25.31	25.87	25.86	0.46	1.02	-0.56	0.33
14	16	1	27.32	28.39	-28.36	-1.28	182.58	-1.07	0.31
15	16	1	7.13	10.03	9.99	0.89	5.09	-2.90	0.84
16	16	1	9.63	9.92	9.91	0.54	3.10	-0.29	0.67
17	16	1	5.20	7.06	7.02	0.68	5.56	-1.86	1.25
18	16	1	7.36	6.13	6.11	0.46	4.28	1.23	0.92
0	17	1	20.90	19.40	-19.38	-1.02	183.02	1.50	0.26

1	17	1	21.09	17.88	-17.88	0.18	179.41	3.21	0.25
2	17	1	17.23	17.44	17.40	1.13	3.70	-0.21	0.28
3	17	1	16.45	16.41	16.41	-0.19	359.33	0.03	0.29
4	17	1	9.33	8.55	8.49	0.99	6.66	0.78	0.40
5	17	1	6.85	4.37	4.27	-0.95	347.40	2.47	0.48
6	17	1	4.62	2.86	2.84	0.34	6.81	1.76	0.80
7	17	1	14.29	14.58	14.57	0.58	2.29	-0.29	0.35
9	17	1	9.19	9.48	-9.48	-0.20	181.21	-0.28	0.51
10	17	1	6.10	2.70	2.65	-0.51	349.16	3.40	0.73
11	17	1	10.47	13.66	-13.65	-0.50	182.09	-3.19	0.54
12	17	1	29.98	30.72	30.71	0.81	1.51	-0.74	0.29
13	17	1	16.74	16.88	16.85	1.05	3.56	-0.14	0.39
15	17	1	5.31	7.46	-7.46	0.10	179.25	-2.15	1.11
17	17	1	7.52	5.51	5.51	-0.20	357.90	2.01	0.81
1	18	1	20.97	19.45	-19.37	-1.67	184.91	1.52	0.27
2	18	1	22.32	22.91	-22.90	0.28	179.30	-0.59	0.27
3	18	1	15.76	15.43	-15.35	-1.59	185.93	0.33	0.31
4	18	1	9.86	8.49	-8.47	-0.68	184.57	1.36	0.39
5	18	1	23.81	23.35	-23.35	-0.28	180.69	0.45	0.26
6	18	1	24.34	23.97	23.96	-0.26	359.39	0.37	0.27
7	18	1	9.72	9.19	9.18	0.51	3.16	0.52	0.47
8	18	1	20.25	21.74	-21.73	-0.66	181.73	-1.49	0.30
9	18	1	6.30	8.17	-8.16	-0.48	183.38	-1.87	0.75
10	18	1	14.38	15.68	-15.68	-0.11	180.39	-1.30	0.39
11	18	1	17.53	18.48	18.47	0.71	2.21	-0.95	0.36
13	18	1	8.80	9.99	9.97	0.59	3.41	-1.19	0.67
14	18	1	5.50	4.97	-4.97	-0.04	180.48	0.53	0.97
15	18	1	24.27	23.66	23.65	0.63	1.53	0.61	0.35
16	18	1	11.10	10.87	10.87	0.25	1.31	0.23	0.59
17	18	1	7.95	7.70	7.70	-0.19	358.61	0.25	0.86
0	19	1	24.23	24.39	-24.38	-0.65	181.52	-0.16	0.26
2	19	1	12.94	12.70	12.69	-0.47	357.87	0.24	0.36
3	19	1	24.01	24.26	24.23	1.17	2.77	-0.24	0.27
4	19	1	3.81	4.18	-4.11	-0.75	190.39	-0.37	1.01
5	19	1	17.10	15.35	15.32	1.01	3.75	1.75	0.33
6	19	1	11.66	11.65	11.65	0.20	0.99	0.01	0.42
7	19	1	27.54	30.84	30.84	0.57	1.05	-3.30	0.28
8	19	1	12.66	13.38	-13.38	0.02	179.93	-0.72	0.43
9	19	1	22.18	22.22	22.20	0.94	2.44	-0.03	0.30
10	19	1	4.84	3.61	3.50	0.86	13.82	1.23	1.00
12	19	1	5.26	6.67	-6.67	0.21	178.16	-1.41	1.01
13	19	1	17.71	18.26	18.26	0.31	0.99	-0.55	0.41
14	19	1	10.79	10.27	10.27	-0.09	359.50	0.53	0.55
0	20	1	5.55	0.70	0.00	-0.70	270.04	4.84	0.67
1	20	1	9.38	9.33	-9.32	0.57	176.51	0.04	0.49
2	20	1	21.05	21.14	-21.12	-0.80	182.16	-0.08	0.29
3	20	1	6.59	1.73	1.49	0.87	30.12	4.86	0.59
4	20	1	6.41	2.22	-2.22	0.07	178.27	4.19	0.60
5	20	1	26.62	28.05	-28.03	-1.12	182.29	-1.43	0.29
6	20	1	36.76	38.63	38.59	1.65	2.45	-1.86	0.27
7	20	1	12.24	11.94	11.93	0.33	1.60	0.31	0.43
8	20	1	19.09	19.92	-19.92	-0.14	180.41	-0.83	0.35
10	20	1	10.44	10.33	-10.32	-0.42	182.32	0.11	0.51
11	20	1	14.47	14.46	14.46	0.30	1.17	0.01	0.45
12	20	1	9.63	9.88	-9.86	-0.74	184.28	-0.25	0.61
13	20	1	6.91	8.31	-8.28	-0.70	184.80	-1.40	0.90
14	20	1	8.35	9.88	9.88	0.17	0.99	-1.53	0.77
16	20	1	7.40	5.84	-5.83	-0.23	182.24	1.56	0.93
0	21	1	35.65	36.48	36.47	0.94	1.48	-0.83	0.26
1	21	1	23.16	22.55	22.51	1.29	3.29	0.61	0.29

2	21	1	8.30	5.15	-5.15	0.19	177.86	3.14	0.49
3	21	1	5.31	4.50	4.49	-0.22	357.21	0.82	0.82
4	21	1	35.71	38.28	-38.28	-0.38	180.57	-2.56	0.27
5	21	1	11.60	11.07	11.07	0.30	1.58	0.52	0.44
6	21	1	8.76	8.91	-8.91	0.00	180.00	-0.14	0.57
7	21	1	16.70	16.96	16.95	0.59	2.00	-0.27	0.36
8	21	1	11.98	14.19	14.19	0.06	0.23	-2.20	0.49
9	21	1	24.53	25.53	25.53	0.97	2.18	-1.02	0.33
11	21	1	17.12	19.13	19.12	0.51	1.53	-2.01	0.40
12	21	1	33.06	34.39	-34.38	-1.12	181.86	-1.33	0.32
14	21	1	7.13	4.20	4.15	0.63	8.62	2.93	0.80
1	22	1	9.74	9.27	9.27	-0.14	359.11	0.47	0.49
2	22	1	30.76	30.56	30.54	1.22	2.29	0.20	0.28
3	22	1	23.92	23.83	23.83	0.32	0.77	0.09	0.30
4	22	1	12.34	12.88	12.88	-0.16	359.28	-0.54	0.44
5	22	1	4.64	4.56	-4.54	0.49	173.83	0.08	0.95
6	22	1	9.41	10.50	-10.45	-1.02	185.60	-1.09	0.56
7	22	1	8.01	8.27	8.25	0.50	3.49	-0.25	0.63
9	22	1	6.40	6.29	-6.27	-0.51	184.67	0.11	0.79
10	22	1	20.30	21.45	21.42	1.17	3.13	-1.15	0.36
11	22	1	6.50	0.93	-0.92	0.15	170.95	5.57	0.88
12	22	1	7.88	6.05	-6.04	0.08	179.22	1.83	0.74
13	22	1	5.57	5.54	-5.54	0.04	179.54	0.03	1.03
14	22	1	6.94	6.81	-6.81	-0.08	180.64	0.12	0.97
0	23	1	7.89	6.39	6.39	-0.12	358.92	1.50	0.60
1	23	1	22.54	22.67	22.67	0.08	0.21	-0.13	0.31
2	23	1	18.90	17.62	-17.59	-0.98	183.19	1.27	0.33
3	23	1	6.21	5.42	-5.42	0.03	179.63	0.79	0.76
4	23	1	20.51	21.13	21.12	0.37	1.01	-0.61	0.33
5	23	1	12.37	11.95	11.91	0.90	4.33	0.42	0.46
6	23	1	9.80	10.10	-10.10	-0.35	182.00	-0.31	0.54
7	23	1	5.61	0.30	0.24	-0.17	324.79	5.31	0.89
8	23	1	11.21	11.49	-11.49	-0.25	181.26	-0.28	0.51
9	23	1	7.83	2.53	2.53	0.06	1.37	5.30	0.67
11	23	1	9.94	10.13	10.11	0.63	3.58	-0.19	0.64
12	23	1	6.07	3.43	3.42	0.21	3.55	2.65	0.95
0	24	1	5.40	0.52	-0.52	-0.52	269.95	4.89	0.91
1	24	1	17.96	17.47	17.43	1.17	3.85	0.49	0.37
2	24	1	4.76	3.08	-3.03	-0.58	190.86	1.68	1.03
3	24	1	18.50	19.81	19.79	0.89	2.57	-1.32	0.38
4	24	1	6.54	8.00	7.98	0.58	4.19	-1.46	0.86
5	24	1	20.06	22.80	22.79	0.40	1.02	-2.74	0.36
6	24	1	6.73	3.36	3.32	0.53	8.99	3.37	0.76
7	24	1	6.37	6.49	6.49	-0.06	359.43	-0.12	0.81
8	24	1	4.15	7.53	7.50	0.65	4.93	-3.38	1.30
10	24	1	5.69	4.08	-4.07	-0.31	184.33	1.61	1.00
11	24	1	18.28	19.10	-19.09	-0.75	182.26	-0.83	0.44
0	25	1	14.35	12.76	12.76	0.20	0.88	1.59	0.44
1	25	1	7.61	4.17	4.14	0.49	6.72	3.44	0.67
2	25	1	6.05	5.35	5.34	0.32	3.45	0.70	0.85
3	25	1	9.20	8.37	-8.34	-0.70	184.76	0.83	0.59
4	25	1	4.42	5.88	5.83	0.79	7.69	-1.47	1.25
5	25	1	4.87	6.31	-6.29	-0.59	185.33	-1.44	1.15
6	25	1	6.41	4.45	-4.45	-0.19	182.41	1.96	0.82
7	25	1	5.20	6.57	-6.57	0.03	179.70	-1.37	1.06
8	25	1	6.48	4.23	4.22	-0.28	356.18	2.25	0.83
9	25	1	8.22	8.89	-8.87	-0.47	183.00	-0.67	0.78
10	25	1	10.49	8.98	-8.95	-0.66	184.23	1.52	0.67
11	25	1	9.79	8.38	-8.37	-0.44	183.04	1.41	0.71
1	26	1	12.15	10.41	10.41	0.07	0.38	1.75	0.49

2	15.59	16.12	-16.11	-0.42	181.51	-0.52	0.45
4	7.22	5.60	5.60	0.09	0.96	1.62	0.76
5	12.09	14.06	14.04	0.80	3.25	-1.97	0.57
6	6.14	6.13	6.12	-0.26	357.59	0.01	0.99
7	7.65	11.11	-11.11	-0.32	181.67	-3.47	0.91
8	11.93	13.87	13.87	0.27	1.10	-1.94	0.59
9	11.97	10.16	10.16	0.16	0.90	1.80	0.60
0	12.82	10.17	10.15	0.58	3.24	2.64	0.50
1	13.69	13.44	-13.42	-0.74	183.18	0.25	0.50
2	17.23	14.83	14.83	0.11	0.42	2.40	0.41
4	17.95	16.72	-16.69	-1.01	183.46	1.24	0.40
5	13.08	13.65	-13.64	-0.49	182.07	-0.57	0.53
6	5.17	1.83	1.83	0.07	2.27	3.35	1.20
7	12.02	13.67	-13.65	-0.64	182.70	-1.65	0.63
0	5.57	0.36	-0.00	-0.36	269.88	5.21	1.10
1	6.86	5.45	-5.45	0.08	179.13	1.41	0.95
2	19.52	20.35	20.35	0.45	1.27	-0.83	0.42
3	9.00	10.38	-10.38	-0.27	181.48	-1.38	0.73
4	5.76	2.10	2.10	0.09	2.47	3.65	1.10
8	48.69	47.61	-47.60	-1.27	181.52	1.07	0.18
10	8.36	6.22	6.22	0.01	0.12	2.14	0.45
12	57.75	57.55	57.52	1.90	1.89	0.20	0.21
16	8.21	6.57	6.55	0.50	4.38	1.64	0.63
18	9.57	7.48	7.48	0.35	2.69	2.09	0.62
20	31.47	30.17	30.14	1.44	2.74	1.29	0.35
5	13.50	13.47	13.37	-1.60	353.18	0.03	0.28
6	60.74	61.13	61.10	1.74	1.63	-0.39	0.21
7	4.93	4.98	-4.95	0.51	174.08	-0.05	0.58
8	5.28	5.75	5.75	-0.07	359.27	-0.47	0.63
9	10.32	9.81	-9.60	2.06	167.90	0.50	0.35
10	7.32	6.63	-6.63	0.02	179.81	0.69	0.49
11	4.53	4.74	4.64	0.97	11.78	-0.21	0.82
13	3.76	3.77	-3.67	-0.84	192.81	-0.00	1.05
14	41.79	41.05	41.04	1.18	1.65	0.74	0.25
15	12.14	9.94	9.94	0.16	0.91	2.21	0.45
16	6.36	6.51	6.51	0.04	0.31	-0.14	0.82
17	24.83	21.79	-21.77	-0.87	182.30	3.04	0.30
18	17.04	15.81	-15.80	-0.68	182.46	1.23	0.41
19	12.45	10.14	10.13	0.33	1.86	2.31	0.51
4	33.79	35.99	-35.96	-1.56	182.49	-2.20	0.19
5	7.83	9.46	9.36	1.39	8.45	-1.64	0.42
6	14.20	15.24	-15.24	-0.13	180.49	-1.04	0.31
7	21.63	22.64	22.54	2.10	5.32	-1.01	0.21
8	20.61	21.72	21.71	0.56	1.47	-1.11	0.23
9	21.68	20.79	20.78	0.73	2.02	0.89	0.23
10	9.79	11.33	11.33	0.12	0.63	-1.54	0.43
11	24.62	24.33	-24.23	-2.16	185.10	0.29	0.25
12	4.66	6.71	6.71	0.12	1.00	-2.05	0.91
13	8.15	8.07	-8.04	-0.63	184.49	0.08	0.54
16	19.99	17.36	17.33	0.99	3.27	2.63	0.34
17	9.72	9.58	-9.58	0.09	179.46	0.15	0.57
18	9.53	10.04	10.03	0.25	1.45	-0.51	0.63
20	9.59	8.39	8.39	0.19	1.32	1.20	0.71
4	3.38	1.13	1.12	0.11	5.64	2.25	0.75
5	5.01	3.48	-2.97	1.81	148.68	1.53	0.57
6	66.01	66.83	66.80	2.07	1.78	-0.82	0.20
7	23.20	23.14	23.13	-0.55	358.63	0.06	0.20
8	4.57	1.94	-1.92	0.25	172.60	2.63	0.70
9	9.76	10.36	10.22	-1.66	350.77	-0.60	0.36
10	51.22	49.97	49.94	1.68	1.93	1.25	0.20



11	3	5.39	6.70	6.68	-0.51	355.62	-1.31	0.72
12	3	4.53	2.67	2.67	-0.01	359.73	1.87	0.87
13	3	4.27	3.81	3.76	0.64	9.66	0.45	0.97
14	3	39.01	40.19	40.18	0.75	1.07	-1.18	0.26
15	3	9.03	8.69	-8.68	0.34	177.77	0.34	0.58
16	3	9.20	10.08	10.07	0.23	1.28	-0.87	0.61
17	3	10.44	8.83	8.82	0.47	3.04	1.61	0.57
18	3	15.45	14.52	-14.52	-0.11	180.43	0.93	0.43
19	3	9.24	7.53	7.53	0.19	1.44	1.71	0.62
20	3	7.00	2.19	-2.19	-0.13	183.34	4.81	0.84
3	4	3.94	2.84	2.66	0.98	20.13	1.10	0.58
4	4	25.21	24.73	24.72	0.60	1.39	0.48	0.20
5	4	14.82	15.73	15.72	-0.67	357.57	-0.91	0.26
6	4	6.17	4.39	-4.39	-0.14	181.89	1.78	0.53
7	4	9.91	10.22	-9.93	-2.41	193.63	-0.31	0.33
8	4	32.11	33.49	33.49	0.35	0.60	-1.38	0.20
9	4	4.29	6.00	6.00	0.03	0.25	-1.71	0.81
11	4	22.82	22.07	-22.05	0.90	177.66	0.75	0.26
12	4	10.30	9.32	-9.29	-0.76	184.69	0.98	0.43
13	4	20.36	19.54	19.51	1.10	3.24	0.82	0.29
15	4	22.42	21.14	-21.13	-0.83	182.24	1.28	0.31
16	4	7.03	8.41	-8.41	-0.05	180.33	-1.38	0.77
17	4	9.14	7.27	-7.24	-0.67	185.26	1.87	0.63
18	4	6.20	4.00	4.00	0.14	2.01	2.20	0.91
20	4	12.35	8.24	-8.21	-0.65	184.54	4.11	0.54
2	5	30.90	32.43	32.39	1.55	2.75	-1.53	0.18
3	5	10.63	9.69	-9.57	-1.47	188.70	0.94	0.28
4	5	4.70	5.10	5.10	0.04	0.44	-0.41	0.63
6	5	20.88	20.28	20.28	-0.18	359.50	0.60	0.20
7	5	26.10	27.15	27.14	0.64	1.34	-1.05	0.20
8	5	13.22	14.76	14.76	0.14	0.54	-1.54	0.29
9	5	3.93	5.27	4.92	1.90	21.08	-1.34	0.86
10	5	51.77	52.59	52.56	1.83	1.99	-0.82	0.20
11	5	38.29	38.60	-38.60	-0.14	180.21	-0.31	0.23
12	5	7.54	9.16	9.13	0.67	4.22	-1.62	0.56
13	5	12.56	13.14	13.13	-0.38	358.36	-0.58	0.40
14	5	6.20	4.20	-4.20	-0.11	181.44	1.99	0.71
15	5	10.07	11.31	-11.28	-0.87	184.40	-1.24	0.54
17	5	18.47	16.15	16.14	0.51	1.80	2.32	0.41
19	5	11.30	8.26	-8.23	-0.71	184.94	3.04	0.57
0	6	20.93	21.41	21.39	1.03	2.75	-0.48	0.20
1	6	10.00	8.75	8.72	-0.76	355.00	1.25	0.29
2	6	3.35	0.64	-0.40	-0.50	231.38	2.71	0.73
3	6	14.68	15.54	15.53	-0.36	358.67	-0.86	0.25
4	6	73.60	74.93	74.90	2.01	1.54	-1.33	0.20
5	6	6.48	7.39	7.37	0.60	4.63	-0.91	0.42
6	6	7.47	6.50	6.50	0.01	0.08	0.97	0.38
7	6	10.65	10.26	-10.09	1.85	169.60	0.38	0.29
8	6	16.63	16.78	-16.78	-0.41	181.39	-0.15	0.25
9	6	7.03	6.54	6.52	0.47	4.13	0.50	0.48
10	6	8.00	11.52	11.51	0.37	1.82	-3.51	0.51
11	6	4.22	6.55	6.48	-1.00	351.23	-2.33	1.01
12	6	4.71	3.38	3.38	-0.03	359.53	1.33	0.86
13	6	11.50	11.07	-11.03	-0.87	184.53	0.43	0.42
14	6	10.40	11.36	-11.36	-0.32	181.62	-0.96	0.51
15	6	14.42	14.76	-14.76	-0.15	180.59	-0.34	0.44
16	6	61.35	55.99	-55.96	-2.08	182.13	5.36	0.27
17	6	11.09	9.59	9.58	0.44	2.60	1.49	0.57
18	6	5.49	6.96	-6.95	-0.37	183.07	-1.47	1.10
1	7	13.19	13.93	-13.93	-0.28	181.15	-0.74	0.28

2	7	2	64.66	63.12	-63.10	-1.55	181.40	1.54	0.19
3	7	2	14.58	14.62	14.53	1.56	6.11	-0.04	0.27
4	7	2	8.63	7.06	7.04	0.62	5.00	1.57	0.41
5	7	2	21.74	21.85	-21.80	0.62	176.00	-0.12	0.20
7	7	2	4.47	3.94	-3.91	-0.53	187.71	0.52	0.64
8	7	2	11.92	12.87	12.86	0.68	3.03	-0.96	0.32
9	7	2	14.75	14.99	-14.82	-2.27	188.70	-0.24	0.29
10	7	2	51.05	52.20	-52.18	-1.56	181.71	-1.15	0.20
11	7	2	10.08	10.00	-9.98	-0.64	183.67	0.09	0.44
12	7	2	18.03	18.16	18.16	0.08	0.24	-0.13	0.32
13	7	2	7.75	6.02	5.93	1.03	9.81	1.73	0.58
14	7	2	16.10	15.72	15.72	0.18	0.65	0.37	0.35
15	7	2	29.40	29.10	-29.10	-0.27	180.54	0.29	0.30
16	7	2	6.83	1.83	-1.83	0.11	176.61	5.00	0.81
17	7	2	13.48	13.08	-13.07	-0.42	181.85	0.40	0.52
18	7	2	7.78	5.01	-5.00	-0.23	182.69	2.77	0.75
0	8	2	47.52	47.82	47.78	1.76	2.11	-0.30	0.20
1	8	2	11.02	11.53	-11.52	0.48	177.61	-0.51	0.31
2	8	2	12.34	11.18	11.13	1.09	5.60	1.16	0.31
3	8	2	25.99	25.71	25.70	0.75	1.67	0.28	0.17
4	8	2	12.21	11.76	11.72	0.88	4.31	0.45	0.26
5	8	2	8.45	11.35	11.31	-0.91	355.39	-2.90	0.36
6	8	2	13.86	14.90	14.89	0.45	1.74	-1.04	0.27
7	8	2	18.34	17.59	17.55	-1.06	356.54	0.75	0.24
8	8	2	13.37	13.80	13.80	0.13	0.53	-0.43	0.30
9	8	2	18.77	19.51	-19.50	-0.63	181.85	-0.74	0.26
10	8	2	3.57	5.00	-4.97	-0.50	185.79	-1.42	1.16
11	8	2	18.03	18.38	18.32	1.41	4.39	-0.35	0.29
12	8	2	46.95	45.51	-45.50	-1.17	181.48	1.44	0.23
13	8	2	10.44	11.78	-11.78	0.37	178.20	-1.34	0.49
14	8	2	10.46	10.76	-10.76	-0.05	180.24	-0.30	0.54
15	8	2	15.77	13.62	13.61	0.46	1.95	2.15	0.40
16	8	2	15.87	16.13	-16.13	-0.24	180.84	-0.26	0.42
17	8	2	5.98	1.72	1.72	0.02	0.64	4.26	0.82
18	8	2	10.69	11.46	-11.45	-0.57	182.85	-0.77	0.60
19	8	2	8.85	8.86	-8.84	-0.58	183.77	-0.01	0.74
1	9	2	19.82	19.71	-19.71	0.02	179.94	0.11	0.20
2	9	2	15.77	16.23	-16.23	-0.21	180.74	-0.46	0.23
3	9	2	11.10	10.46	10.43	-0.75	355.87	0.64	0.29
4	9	2	9.47	9.74	-9.74	-0.31	181.84	-0.28	0.31
5	9	2	16.16	15.72	-15.63	-1.66	186.06	0.44	0.24
6	9	2	55.42	54.76	-54.72	-2.26	182.36	0.65	0.18
7	9	2	7.95	8.90	8.89	0.43	2.74	-0.95	0.45
8	9	2	4.71	2.89	-2.88	-0.25	184.90	1.82	0.67
10	9	2	49.00	47.29	-47.27	-1.26	181.53	1.70	0.21
11	9	2	10.47	10.67	10.65	0.66	3.52	-0.20	0.42
12	9	2	6.30	3.67	-3.67	0.10	178.49	2.63	0.64
13	9	2	16.19	14.93	-14.89	-1.14	184.37	1.26	0.35
14	9	2	10.24	7.28	-7.27	-0.48	183.78	2.96	0.50
0	10	2	16.44	17.68	-17.68	-0.30	180.98	-1.25	0.23
1	10	2	14.51	14.96	-14.95	-0.62	182.38	-0.45	0.23
2	10	2	31.46	30.61	30.61	0.12	0.22	0.85	0.18
3	10	2	6.01	7.43	-7.37	-0.98	187.61	-1.42	0.50
4	10	2	16.02	14.15	-14.08	-1.41	185.70	1.87	0.25
6	10	2	9.92	9.78	9.78	0.22	1.30	0.14	0.37
7	10	2	8.20	8.53	8.35	1.73	11.68	-0.32	0.42
8	10	2	13.16	13.96	13.94	0.64	2.61	-0.80	0.31
9	10	2	7.99	7.16	-7.15	-0.40	183.20	0.83	0.48
10	10	2	10.66	9.22	-9.21	0.46	177.13	1.44	0.42
11	10	2	15.70	15.90	15.89	-0.50	358.21	-0.20	0.34

12	10	2	7.65	5.57	-5.57	-0.08	180.81	2.08	0.57
13	10	2	6.66	6.95	-6.93	-0.46	183.82	-0.29	0.69
14	10	2	19.11	18.49	-18.48	-0.73	182.26	0.62	0.35
15	10	2	11.22	11.42	11.40	0.64	3.19	-0.19	0.56
16	10	2	18.79	17.71	17.70	0.25	0.81	1.08	0.39
17	10	2	5.33	3.82	3.81	0.13	2.02	1.51	1.13
19	10	2	11.52	10.95	10.94	0.46	2.43	0.56	0.68
0	11	2	3.05	0.77	-0.00	-0.77	269.92	2.28	0.94
1	11	2	13.66	12.89	12.88	0.50	2.20	0.77	0.27
2	11	2	14.54	14.82	14.82	-0.22	359.17	-0.28	0.24
3	11	2	6.52	8.20	-8.19	0.37	177.43	-1.69	0.48
4	11	2	12.47	11.66	-11.66	-0.06	180.31	0.81	0.29
5	11	2	6.15	6.75	6.67	1.08	9.18	-0.60	0.56
6	11	2	47.41	48.63	-48.62	-0.97	181.14	-1.21	0.20
7	11	2	17.51	17.62	17.61	0.22	0.70	-0.10	0.28
8	11	2	17.69	15.66	-15.66	-0.40	181.46	2.03	0.27
9	11	2	18.58	18.21	18.19	-1.03	356.75	0.37	0.29
10	11	2	22.30	23.18	-23.17	-0.60	181.49	-0.88	0.27
11	11	2	4.19	5.33	5.31	-0.42	355.50	-1.14	0.99
12	11	2	16.62	17.01	-16.98	-0.93	183.13	-0.39	0.37
13	11	2	12.96	12.97	-12.97	-0.07	180.32	-0.00	0.44
14	11	2	12.71	11.49	-11.44	-1.00	185.01	1.22	0.47
15	11	2	18.28	16.56	16.52	1.16	4.02	1.72	0.38
16	11	2	13.80	13.86	-13.86	-0.39	181.60	-0.07	0.50
17	11	2	15.00	14.35	-14.34	-0.46	181.83	0.64	0.47
18	11	2	12.36	9.43	9.39	0.86	5.23	2.93	0.55
0	12	2	75.91	75.22	-75.18	-2.38	181.81	0.69	0.17
1	12	2	35.94	34.55	34.53	1.29	2.14	1.39	0.19
2	12	2	8.42	8.71	8.68	0.73	4.84	-0.29	0.40
4	12	2	18.67	17.83	-17.83	0.16	179.47	0.84	0.25
5	12	2	4.20	3.87	-3.76	-0.89	193.35	0.34	0.83
7	12	2	32.52	31.49	-31.42	-2.04	183.71	1.03	0.23
8	12	2	8.57	10.63	-10.56	-1.22	186.57	-2.06	0.52
9	12	2	18.92	18.35	18.35	0.38	1.18	0.57	0.29
11	12	2	7.24	7.41	7.31	1.21	9.42	-0.17	0.64
12	12	2	46.24	44.55	44.53	1.28	1.65	1.69	0.25
13	12	2	12.43	13.26	-13.26	-0.04	180.17	-0.83	0.47
14	12	2	4.96	8.58	8.57	0.36	2.39	-3.61	1.14
16	12	2	9.18	7.21	7.18	0.69	5.53	1.97	0.67
17	12	2	5.92	8.25	8.25	0.23	1.62	-2.34	1.18
0	13	2	4.51	0.76	-0.00	0.76	90.25	3.75	0.74
1	13	2	26.55	26.21	-26.21	-0.39	180.85	0.33	0.23
2	13	2	21.94	20.97	-20.97	-0.13	180.36	0.97	0.23
3	13	2	15.95	14.96	14.96	-0.25	359.04	0.99	0.27
4	13	2	18.37	16.58	-16.56	-0.85	182.93	1.79	0.26
5	13	2	40.30	39.96	39.96	-0.05	359.93	0.34	0.20
6	13	2	26.71	25.47	25.47	0.28	0.63	1.24	0.24
7	13	2	5.82	5.93	-5.92	-0.40	183.88	-0.11	0.66
8	13	2	24.81	24.42	-24.39	-1.16	182.73	0.39	0.26
9	13	2	10.58	8.94	-8.88	0.98	173.72	1.64	0.40
10	13	2	17.45	17.37	-17.37	-0.08	180.26	0.07	0.33
11	13	2	15.02	14.50	14.47	0.85	3.34	0.52	0.39
12	13	2	15.40	15.34	-15.34	-0.11	180.42	0.06	0.40
13	13	2	10.08	11.78	11.78	-0.02	359.89	-1.70	0.58
14	13	2	27.09	27.23	27.21	0.94	1.98	-0.14	0.33
17	13	2	14.73	16.12	-16.10	-0.77	182.75	-1.38	0.52
18	13	2	9.66	11.15	-11.14	-0.50	182.56	-1.49	0.74
0	14	2	18.16	18.39	-18.38	-0.66	182.05	-0.23	0.27
1	14	2	17.68	16.51	-16.50	-0.63	182.17	1.17	0.26
2	14	2	26.40	24.79	-24.75	-1.42	183.28	1.60	0.23

3	14	2	15.68	15.25	-15.21	-1.06	183.97	0.43	0.30
4	14	2	49.10	46.60	-46.56	-1.80	182.22	2.50	0.20
5	14	2	24.77	23.57	23.56	0.87	2.12	1.20	0.24
6	14	2	4.98	5.64	-5.62	-0.43	184.40	-0.65	0.79
7	14	2	4.11	3.29	3.14	1.00	17.64	0.82	0.91
8	14	2	15.69	14.54	14.51	0.87	3.44	1.16	0.31
10	14	2	15.26	11.70	-11.69	0.32	178.44	3.57	0.35
11	14	2	31.11	28.98	-28.94	-1.62	183.21	2.13	0.27
12	14	2	4.25	1.51	-1.46	0.38	165.53	2.74	1.10
13	14	2	10.49	9.57	9.57	0.06	0.34	0.92	0.53
14	14	2	25.07	22.92	22.92	0.35	0.87	2.15	0.31
16	14	2	17.66	17.58	17.56	0.72	2.34	0.09	0.45
17	14	2	5.34	5.97	-5.97	-0.15	181.46	-0.63	1.24
1	15	2	13.40	12.91	-12.91	-0.04	180.17	0.49	0.32
3	15	2	16.17	16.20	-16.20	0.13	179.54	-0.03	0.30
4	15	2	10.10	10.15	-10.15	0.09	179.51	-0.05	0.40
6	15	2	43.54	41.18	41.15	1.70	2.36	2.36	0.23
9	15	2	23.32	23.15	23.15	-0.26	359.35	0.17	0.29
10	15	2	32.89	31.35	31.34	0.95	1.73	1.54	0.27
11	15	2	4.98	0.72	-0.61	-0.38	211.68	4.26	0.97
12	15	2	9.81	12.15	-12.14	-0.55	182.58	-2.34	0.57
14	15	2	7.25	10.72	10.72	0.15	0.80	-3.47	0.85
15	15	2	11.01	9.87	-9.87	0.06	179.67	1.13	0.56
16	15	2	9.13	11.36	11.35	0.46	2.30	-2.23	0.80
17	15	2	9.66	7.96	7.95	0.45	3.25	1.70	0.71
0	16	2	20.89	21.90	21.90	0.45	1.18	-1.01	0.26
1	16	2	25.48	23.62	-23.62	-0.30	180.73	1.86	0.25
2	16	2	26.39	24.71	-24.71	-0.32	180.75	1.67	0.24
3	16	2	5.59	6.27	6.25	0.54	4.97	-0.68	0.73
4	16	2	13.70	13.90	-13.89	0.61	177.50	-0.21	0.33
5	16	2	5.15	4.68	4.68	-0.14	358.29	0.47	0.81
6	16	2	17.73	17.70	-17.69	-0.54	181.74	0.02	0.32
8	16	2	15.57	15.76	15.76	-0.14	359.48	-0.19	0.36
9	16	2	10.33	10.56	-10.56	-0.13	180.69	-0.23	0.50
11	16	2	13.60	12.09	-12.09	0.08	179.62	1.50	0.39
12	16	2	12.24	11.83	-11.83	-0.21	181.02	0.41	0.49
13	16	2	14.72	14.83	14.81	0.65	2.50	-0.11	0.42
15	16	2	6.97	8.08	-8.06	-0.61	184.35	-1.11	0.90
16	16	2	5.22	5.17	5.15	0.45	4.94	0.04	1.21
0	17	2	3.82	0.67	-0.00	0.67	90.24	3.14	0.96
2	17	2	23.85	23.57	23.54	1.07	2.60	0.28	0.26
3	17	2	12.99	11.54	-11.52	-0.75	183.71	1.45	0.36
4	17	2	30.65	30.38	30.38	0.29	0.55	0.27	0.25
5	17	2	23.01	22.85	-22.82	-1.25	183.13	0.16	0.29
6	17	2	16.66	16.54	16.54	-0.03	359.91	0.13	0.33
7	17	2	6.26	8.19	8.17	0.49	3.46	-1.93	0.76
8	17	2	20.07	19.86	19.86	0.34	0.99	0.21	0.32
9	17	2	23.73	21.92	21.89	1.13	2.95	1.81	0.31
10	17	2	28.80	28.18	28.16	1.23	2.51	0.61	0.29
11	17	2	13.11	12.09	-12.08	-0.36	181.71	1.03	0.46
12	17	2	21.68	20.64	20.60	1.26	3.50	1.04	0.34
0	18	2	27.84	26.99	26.98	0.74	1.58	0.84	0.26
1	18	2	7.86	8.01	8.01	0.09	0.63	-0.15	0.54
2	18	2	13.04	13.28	-13.26	-0.76	183.27	-0.24	0.38
3	18	2	25.53	22.10	22.09	0.62	1.61	3.43	0.27
4	18	2	31.98	30.62	30.62	0.56	1.04	1.36	0.26
5	18	2	21.52	21.19	-21.18	-0.54	181.45	0.33	0.31
6	18	2	9.14	9.02	9.02	-0.00	359.97	0.12	0.48
7	18	2	7.60	8.20	-8.19	0.49	176.59	-0.60	0.62
8	18	2	8.17	7.45	7.45	0.16	1.24	0.72	0.63

9	18	2	12.77	12.71	12.70	0.53	2.41	0.06	0.46
11	18	2	14.33	13.14	13.14	-0.02	359.91	1.19	0.44
12	18	2	9.21	10.25	-10.25	-0.17	180.96	-1.03	0.63
13	18	2	11.48	8.91	-8.89	-0.63	184.08	2.57	0.53
15	18	2	14.83	13.93	-13.92	-0.52	182.16	0.91	0.48
1	19	2	35.27	21.91	-21.89	-0.86	182.24	3.29	0.28
3	19	2	23.15	21.81	21.79	0.94	1.67	2.98	0.25
6	19	2	3.90	2.83	2.71	0.78	2.46	1.34	0.29
7	19	2	8.70	3.62	-3.61	-0.35	16.11	1.07	1.16
8	19	2	25.79	25.72	25.69	1.19	185.59	5.08	0.58
9	19	2	18.33	17.32	-17.26	-1.49	2.66	0.07	0.30
10	19	2	8.36	6.20	-6.18	-0.45	184.93	1.01	0.37
11	19	2	15.93	13.99	13.99	0.39	1.58	1.94	0.39
12	19	2	13.09	11.83	11.82	0.34	1.65	1.26	0.53
13	19	2	6.37	5.38	5.34	0.64	6.83	1.00	0.93
0	20	2	42.62	39.98	39.97	1.06	1.52	2.64	0.25
1	20	2	11.33	11.43	-11.43	-0.35	181.76	-0.10	0.47
2	20	2	22.61	22.21	22.18	1.24	3.21	0.39	0.30
3	20	2	7.54	6.68	-6.68	0.04	179.64	0.86	0.67
5	20	2	9.07	8.54	8.54	0.25	1.65	0.53	0.55
6	20	2	20.26	20.96	20.95	0.63	1.72	-0.70	0.34
7	20	2	20.35	20.18	20.18	0.27	0.75	0.17	0.36
8	20	2	9.40	8.96	8.95	-0.26	358.31	0.44	0.63
9	20	2	6.66	5.53	-5.51	-0.54	185.64	1.13	0.81
11	20	2	5.29	2.93	-2.89	0.47	170.70	2.36	1.01
12	20	2	20.88	18.19	-18.17	-0.78	182.44	2.69	0.37
2	21	2	7.86	7.73	7.73	0.09	0.69	0.13	0.66
3	21	2	4.97	2.63	2.63	-0.04	359.17	2.34	0.91
4	21	2	5.16	5.51	5.51	-0.09	359.06	-0.34	0.94
5	21	2	11.87	10.36	-10.33	-0.82	184.54	1.50	0.46
6	21	2	26.55	26.34	-26.31	-1.24	182.70	0.21	0.30
7	21	2	9.75	9.17	9.16	0.37	2.29	0.58	0.60
8	21	2	6.75	5.38	5.38	0.07	0.70	1.37	0.82
9	21	2	4.86	2.08	-2.07	0.14	176.22	2.78	1.03
10	21	2	10.02	9.40	-9.39	-0.37	182.23	0.63	0.62
11	21	2	6.22	0.79	0.77	0.16	11.63	5.43	0.94
12	21	2	8.54	6.87	-6.86	0.15	178.73	1.68	0.75
1	22	2	4.61	5.71	5.71	0.24	2.44	-1.10	1.10
2	22	2	27.09	27.41	27.40	0.61	1.27	-0.32	0.30
3	22	2	6.38	6.49	-6.46	-0.67	185.92	-0.11	0.75
4	22	2	8.47	7.68	-7.67	-0.48	183.61	0.79	0.63
5	22	2	6.48	6.29	6.27	0.42	3.82	0.19	0.82
6	22	2	16.30	14.67	14.67	0.36	1.41	1.62	0.41
7	22	2	4.61	0.81	-0.53	0.60	131.44	3.80	1.10
9	22	2	10.30	7.87	-7.87	-0.18	181.33	2.43	0.57
10	22	2	8.03	5.32	-5.31	0.36	176.09	2.71	0.73
11	22	2	8.72	8.34	8.34	0.00	0.01	0.38	0.73
0	23	2	4.32	0.47	-0.00	-0.47	269.95	3.84	1.12
1	23	2	7.60	6.15	6.14	0.44	4.12	1.45	0.66
3	23	2	7.47	8.24	-8.23	-0.30	182.08	-0.76	0.73
6	23	2	20.25	18.42	-18.42	-0.28	180.87	1.83	0.37
7	23	2	6.96	7.42	7.41	0.29	2.24	-0.46	0.85
8	23	2	12.43	11.87	-11.86	-0.53	182.54	0.56	0.52
9	23	2	5.46	1.89	1.89	-0.07	357.93	3.57	1.08
10	23	2	6.72	8.01	-7.99	-0.58	184.16	-1.29	0.97
0	24	2	20.38	18.34	-18.33	-0.58	181.80	2.04	0.38
1	24	2	17.29	17.00	16.99	0.80	2.69	0.29	0.39
2	24	2	4.71	1.61	-1.49	0.60	158.16	3.10	1.07
4	24	2	7.85	6.83	-6.83	0.07	179.40	1.02	0.70

5	24	5.01	6.18	-6.18	-0.30	182.82	-1.17	1.17
7	24	22.23	18.55	-18.52	-1.05	183.25	3.68	0.82
8	24	7.76	4.17	4.16	-0.28	356.10	3.60	0.38
9	24	10.53	10.36	10.35	0.49	2.70	0.17	0.63
1	25	6.02	2.56	-2.56	-0.16	183.56	3.46	0.91
2	25	5.28	0.72	-0.70	0.17	166.39	4.56	1.01
3	25	13.62	12.23	12.22	0.42	1.96	1.40	0.48
4	25	13.61	13.64	-13.61	-0.79	183.34	-0.03	0.50
5	25	21.22	20.42	20.40	0.71	1.98	0.81	0.39
6	25	4.69	4.64	-4.61	-0.55	186.84	0.04	1.23
7	25	20.16	19.71	-19.69	-0.76	182.21	0.46	0.41
0	26	22.10	20.56	-20.55	-0.59	181.65	1.54	0.39
1	26	12.31	12.04	-12.03	-0.42	182.00	0.28	0.56
2	26	14.65	15.59	-15.56	-0.97	183.57	-0.93	0.51
3	26	11.08	9.57	-9.55	-0.65	183.86	1.51	0.57
6	0	15.67	15.31	15.31	0.25	0.93	0.35	0.32
8	0	5.66	7.75	-7.75	-0.21	181.52	-2.09	0.86
10	0	6.13	4.89	-4.89	-0.17	181.99	1.24	0.74
12	0	8.77	9.99	9.98	0.46	2.64	-1.22	0.54
14	0	9.16	11.37	-11.34	-0.73	183.67	-2.20	0.63
5	1	11.09	11.79	-11.79	-0.14	180.66	-0.70	0.39
6	1	3.71	6.08	6.08	0.24	2.23	-2.37	1.10
7	1	25.61	25.96	25.94	1.18	2.61	-0.35	0.28
8	1	9.53	8.20	-8.19	-0.27	181.91	1.34	0.50
9	1	45.38	46.35	46.33	1.31	1.61	-0.97	0.28
10	1	6.99	2.95	2.95	-0.02	359.68	4.04	0.63
11	1	11.63	10.35	10.34	0.37	2.05	1.28	0.39
12	1	8.34	7.96	-7.96	-0.31	182.24	0.38	0.54
13	1	18.80	20.14	20.13	0.60	1.71	-1.35	0.35
14	1	6.69	6.36	6.36	0.32	2.86	0.32	0.73
15	1	13.56	10.35	-10.34	-0.26	181.44	3.21	0.43
5	2	11.00	11.57	11.54	0.89	4.40	-0.57	0.39
6	2	4.65	2.57	-2.57	0.09	178.02	2.08	0.81
7	2	12.79	12.53	12.52	0.41	1.88	0.26	0.39
8	2	4.80	5.84	-5.84	0.05	179.47	-1.05	0.94
9	2	40.59	40.00	-39.97	-1.78	182.55	0.58	0.28
11	2	10.07	9.78	9.75	0.72	4.22	0.29	0.48
12	2	5.17	8.06	8.06	-0.05	359.63	-2.88	0.96
13	2	12.37	12.61	-12.61	-0.11	180.49	-0.23	0.47
15	2	23.55	24.27	-24.26	-0.81	181.92	-0.72	0.32
16	2	5.91	4.82	4.82	0.26	3.10	1.08	0.91
4	3	10.60	12.19	-12.19	-0.01	180.04	-1.59	0.39
5	3	28.33	29.15	29.14	0.87	1.71	-0.82	0.24
6	3	9.08	4.61	4.60	0.18	2.24	4.47	0.48
7	3	27.11	27.67	27.67	0.31	0.63	-0.56	0.28
8	3	23.26	25.19	-25.18	-0.79	181.80	-1.93	0.32
9	3	12.61	12.42	-12.41	-0.47	182.18	0.19	0.46
10	3	4.63	5.94	5.93	0.27	2.61	-1.30	1.02
11	3	8.52	7.23	-7.23	-0.10	180.82	1.29	0.49
12	3	19.77	19.28	-19.28	-0.51	181.51	0.49	0.34
13	3	15.13	14.76	14.75	0.69	2.67	0.36	0.39
15	3	17.37	18.81	18.81	0.46	1.39	-1.44	0.41
17	3	22.32	21.69	-21.68	-0.48	181.26	0.63	0.39
3	4	13.70	15.38	15.37	0.62	2.31	-1.69	0.30
4	4	6.74	8.38	-8.38	-0.04	180.25	-1.64	0.53
5	4	19.92	21.14	-21.12	-1.07	182.90	-1.23	0.27
6	4	6.01	5.87	5.86	0.20	1.91	0.15	0.70
7	4	56.90	59.14	59.11	1.59	1.54	-2.24	0.24
10	4	4.28	6.08	6.08	0.01	0.11	-1.81	1.01
11	4	9.40	7.82	-7.82	-0.31	182.29	1.58	0.46

13	4	3	33.04	32.14	-32.11	-1.55	182.76	0.89	0.29
14	4	3	16.12	15.93	15.92	0.61	2.20	0.19	0.41
16	4	3	4.26	6.42	-6.42	-0.17	181.54	-2.16	1.34
17	4	3	5.25	6.24	-6.24	-0.18	181.54	-0.99	1.23
3	5	3	18.37	18.46	-18.43	-1.07	183.31	-0.09	0.26
5	3	3	16.77	16.68	-16.68	-0.40	181.36	0.09	0.29
6	5	3	6.78	6.06	-6.06	-0.12	181.15	0.72	0.63
7	5	3	38.50	38.79	-38.78	-0.73	181.08	-0.28	0.25
8	5	3	4.09	6.17	6.17	-0.03	359.71	-2.08	1.03
10	5	3	4.77	3.49	3.48	0.26	4.24	1.28	0.84
12	5	3	21.42	22.69	-22.68	-0.57	181.44	-1.26	0.31
13	5	3	26.92	26.63	-26.61	-1.19	182.56	0.29	0.31
14	5	3	8.08	6.04	-6.04	-0.16	181.54	2.03	0.69
14	6	3	3.14	0.06	-0.00	-0.06	267.17	3.08	1.02
1	6	3	15.20	15.29	15.29	0.12	0.45	-0.09	0.29
2	6	3	5.70	5.84	-5.84	-0.17	181.66	-0.14	0.60
3	6	3	8.62	8.99	8.98	0.32	2.06	-0.36	0.44
4	6	3	4.74	8.07	8.06	0.24	1.73	-3.33	0.84
5	6	3	10.02	9.85	9.83	0.73	4.28	0.17	0.42
6	6	3	5.54	3.91	-3.91	-0.18	182.63	1.63	0.73
8	6	3	5.24	7.65	-7.65	-0.09	180.69	-2.41	0.91
9	6	3	14.68	15.38	15.37	-0.27	358.98	-0.69	0.40
10	6	3	10.07	10.02	10.02	0.19	1.11	0.05	0.45
11	6	3	5.41	6.62	6.62	-0.17	358.51	-1.21	0.82
12	6	3	3.97	6.40	6.40	0.03	0.23	-2.43	1.22
14	6	3	15.40	15.28	15.27	0.61	2.28	0.12	0.41
15	6	3	14.94	13.13	-13.12	-0.46	182.02	1.81	0.41
17	6	3	4.76	4.04	-4.04	-0.16	182.27	0.71	1.29
1	7	3	28.05	28.96	28.95	0.74	1.47	-0.91	0.23
3	7	3	28.07	28.95	-28.95	-0.51	181.01	-0.88	0.23
4	7	3	5.59	6.86	6.85	0.14	1.19	-1.26	0.70
5	7	3	21.34	22.04	-22.03	-0.63	181.63	-0.70	0.29
7	7	3	50.07	51.67	-51.64	-1.78	181.98	-1.61	0.26
8	7	3	17.15	17.81	17.80	0.44	1.40	-0.65	0.38
9	7	3	13.61	15.32	-15.30	-0.83	183.09	-1.71	0.36
10	7	3	11.49	11.29	-11.28	-0.47	182.40	0.20	0.39
13	7	3	24.19	23.28	-23.25	-1.04	182.56	0.91	0.32
15	7	3	6.44	5.51	-5.50	-0.36	183.70	0.93	0.82
16	7	3	13.62	13.37	13.37	0.11	0.47	0.25	0.54
1	8	3	31.23	31.35	-31.34	-0.72	181.31	-0.12	0.23
2	8	3	7.62	8.05	8.05	0.28	1.97	-0.43	0.56
3	8	3	13.17	13.21	-13.20	-0.40	181.74	-0.04	0.36
5	8	3	30.17	31.97	31.96	0.49	0.88	-1.80	0.27
6	8	3	28.72	30.40	-30.39	-0.79	181.49	-1.68	0.29
7	8	3	39.37	40.55	-40.53	-1.37	181.94	-1.18	0.28
8	8	3	9.03	10.07	10.07	0.20	1.16	-1.04	0.54
10	8	3	6.20	3.50	3.50	0.22	3.52	2.70	0.63
13	8	3	29.25	29.34	29.32	0.93	1.81	-0.09	0.29
0	9	3	19.99	20.44	-20.43	-0.56	181.57	-0.45	0.29
1	9	3	30.66	31.40	-31.39	-0.82	181.50	-0.74	0.25
3	9	3	26.64	29.03	-29.02	-0.95	181.88	-2.40	0.27
4	9	3	14.70	14.46	14.44	0.60	2.38	0.24	0.37
5	9	3	4.53	4.41	-4.41	0.02	179.76	0.13	0.89
6	9	3	7.72	6.79	-6.79	-0.16	181.38	0.93	0.62
7	9	3	13.21	14.55	14.53	0.66	2.58	-1.34	0.43
9	9	3	16.71	17.81	-17.78	-0.99	183.18	-1.09	0.32
10	9	3	3.83	7.21	-7.21	-0.21	181.66	-3.39	1.18
11	9	3	22.95	22.31	-22.28	-1.14	182.93	0.64	0.29
12	9	3	14.39	11.70	11.66	0.95	4.67	2.70	0.39
16	9	3	9.06	5.56	-5.55	-0.22	182.30	3.51	0.66

0	10	3	3.59	0.09	-0.00	-0.09	269.31	3.50	1.06
1	10	3	17.01	17.47	-17.46	-0.50	181.64	-0.46	0.31
2	10	3	18.03	16.91	-16.89	-0.62	182.09	1.13	0.32
3	10	3	59.47	59.92	-59.90	-1.72	181.64	-0.45	0.24
4	10	3	6.78	5.63	-5.63	-0.04	180.39	1.15	0.64
5	10	3	16.74	16.24	-16.23	-0.19	180.68	0.50	0.35
6	10	3	5.59	7.81	7.80	0.42	3.11	-2.22	0.84
7	10	3	4.60	3.35	-3.33	-0.31	185.35	1.25	0.84
8	10	3	5.46	3.42	3.41	0.14	2.43	2.04	0.71
9	10	3	18.85	20.14	20.13	0.60	1.71	-1.29	0.30
10	10	3	17.71	18.56	-18.55	-0.80	182.46	-0.85	0.32
11	10	3	8.78	8.65	-8.63	-0.50	183.31	0.14	0.57
13	10	3	8.70	9.53	9.51	0.56	3.39	-0.83	0.69
15	10	3	20.75	19.63	19.60	1.02	2.97	1.12	0.37
0	11	3	13.75	14.10	14.10	0.07	0.29	-0.35	0.37
1	11	3	22.31	22.83	-22.82	-0.54	181.35	-0.52	0.30
2	11	3	11.02	11.30	11.30	0.33	1.68	-0.28	0.41
3	11	3	35.71	35.80	35.77	1.45	2.32	-0.08	0.27
4	11	3	20.21	20.38	-20.37	-0.48	181.36	-0.17	0.33
5	11	3	23.38	22.87	-22.86	-0.58	181.45	0.51	0.32
6	11	3	6.14	6.46	-6.46	0.05	179.59	-0.32	0.67
7	11	3	8.76	8.32	8.32	-0.04	359.72	0.44	0.48
8	11	3	16.27	15.75	15.75	0.51	1.84	0.52	0.30
9	11	3	17.42	15.80	15.79	0.67	2.44	1.62	0.30
11	11	3	10.16	8.95	8.93	0.51	3.25	1.22	0.46
12	11	3	4.18	2.29	-2.29	0.06	178.49	1.89	1.16
13	11	3	14.37	14.43	14.43	0.31	1.24	-0.07	0.41
14	11	3	7.15	6.73	-6.73	-0.17	181.48	0.42	0.80
0	12	3	4.16	0.09	-0.00	0.09	90.67	4.06	0.94
1	12	3	21.01	20.54	-20.53	-0.54	181.52	0.47	0.31
2	12	3	7.33	6.02	6.01	0.28	2.71	1.31	0.59
3	12	3	16.41	15.90	-15.89	-0.29	181.04	0.51	0.35
5	12	3	4.96	3.07	-2.97	-0.76	194.33	1.90	0.80
6	12	3	6.43	3.78	3.78	0.01	0.16	2.64	0.62
7	12	3	3.54	2.96	2.96	-0.12	357.60	0.58	1.10
8	12	3	5.22	0.50	-0.40	-0.30	216.79	4.72	0.77
9	12	3	5.03	3.63	-3.62	0.16	177.53	1.40	0.91
10	12	3	4.51	6.94	6.94	0.02	0.17	-2.43	1.01
11	12	3	12.79	13.70	13.68	0.65	2.70	-0.91	0.45
12	12	3	3.94	2.62	2.60	0.27	6.03	1.32	1.26
13	12	3	5.37	5.24	5.24	-0.11	358.78	0.12	1.05
14	12	3	19.02	19.31	-19.30	-0.64	181.89	-0.29	0.39
15	12	3	12.01	12.84	12.83	0.45	2.03	-0.83	0.56
1	13	3	10.30	10.62	-10.62	-0.17	180.90	-0.32	0.48
3	13	3	17.18	15.52	15.50	0.79	2.91	1.66	0.30
4	13	3	13.91	14.63	-14.61	-0.65	182.56	-0.72	0.33
5	13	3	8.67	10.33	10.32	0.33	1.86	-1.65	0.48
6	13	3	12.68	13.28	13.28	0.33	1.40	-0.60	0.37
7	13	3	10.80	10.85	10.82	0.91	4.81	-0.05	0.44
8	13	3	10.81	11.02	11.02	0.05	0.26	-0.21	0.42
9	13	3	22.63	22.92	22.90	1.00	2.50	-0.28	0.30
11	13	3	19.54	19.41	19.41	0.43	1.26	0.13	0.36
12	13	3	7.41	8.07	-8.06	-0.27	181.93	-0.66	0.75
13	13	3	26.91	26.87	26.86	0.83	1.77	0.04	0.32
14	13	3	7.65	7.83	7.83	0.30	2.16	-0.18	0.91
1	14	3	4.65	3.92	3.90	-0.39	354.29	0.73	0.76
2	14	3	14.20	15.15	15.14	0.69	2.60	-0.95	0.31
3	14	3	24.28	24.42	24.40	0.83	1.94	-0.14	0.26
4	14	3	6.18	5.55	-5.55	-0.17	181.77	0.63	0.63
5	14	3	6.47	6.02	-6.01	0.16	178.46	0.46	0.61



6	14	3	6.87	7.91	-7.91	-0.06	180.42	-1.04	0.64
7	14	3	16.00	15.19	15.18	0.48	1.83	0.81	0.31
9	14	3	21.48	21.55	-21.52	-1.23	183.27	-0.07	0.33
10	14	3	23.58	22.67	22.65	0.70	1.76	0.92	0.30
11	14	3	17.91	17.92	17.91	0.62	1.98	-0.01	0.36
12	14	3	10.16	11.78	-11.77	-0.40	181.93	-1.61	0.59
0	15	3	17.71	17.02	-17.01	-0.67	182.27	0.69	0.28
1	15	3	4.80	0.75	-0.75	-0.05	183.79	4.04	0.75
2	15	3	7.02	6.78	-6.78	-0.11	180.94	0.24	0.61
3	15	3	12.80	10.19	-10.19	-0.10	180.57	2.61	0.34
4	15	3	13.83	13.43	13.41	0.67	2.84	0.40	0.38
5	15	3	30.37	31.13	31.11	1.12	2.06	-0.76	0.25
7	15	3	17.37	14.85	14.84	0.51	1.97	2.52	0.33
8	15	3	24.13	23.89	-23.86	-1.11	182.66	0.24	0.29
9	15	3	13.05	11.09	11.08	0.39	2.04	1.96	0.42
10	15	3	17.41	18.35	18.35	0.28	0.86	-0.94	0.36
12	15	3	5.02	3.79	-3.79	0.10	178.50	1.23	1.06
13	15	3	19.72	19.23	19.21	0.67	1.99	0.49	0.39
1	16	3	24.90	25.97	25.95	1.11	2.46	-1.07	0.28
2	16	3	5.60	3.69	-3.65	-0.54	188.44	1.92	0.78
3	16	3	13.49	13.53	13.51	0.63	2.66	-0.04	0.39
5	16	3	10.33	10.92	-10.92	-0.43	182.28	-0.60	0.45
6	16	3	13.83	12.44	12.41	0.78	3.61	1.39	0.37
7	16	3	22.70	21.75	21.73	0.91	2.38	0.95	0.29
11	16	3	5.87	8.76	-8.75	-0.34	182.19	-2.89	1.02
12	16	3	5.15	8.53	-8.53	-0.24	181.61	-3.39	1.20
0	17	3	16.80	15.54	15.51	0.90	3.34	1.26	0.35
1	17	3	17.77	15.42	15.39	0.93	3.44	2.36	0.31
2	17	3	9.71	10.67	-10.66	-0.42	182.24	-0.96	0.48
3	17	3	11.60	11.98	-11.97	-0.61	182.94	-0.38	0.44
4	17	3	6.96	7.87	-7.86	-0.34	182.49	-0.92	0.70
6	17	3	5.85	3.66	-3.65	-0.25	183.98	2.19	0.74
7	17	3	11.53	9.60	-9.60	-0.09	180.56	1.93	0.45
9	17	3	9.04	7.42	7.42	0.19	1.43	1.62	0.59
10	17	3	4.50	2.31	-2.31	0.06	178.43	2.19	1.20
11	17	3	10.55	11.13	11.13	0.07	0.34	-0.58	0.55
1	18	3	13.84	13.50	13.48	0.55	2.35	0.34	0.39
2	18	3	11.70	12.16	12.16	0.06	0.26	-0.46	0.45
3	18	3	13.66	11.46	11.45	0.54	2.69	2.20	0.38
4	18	3	7.25	6.59	6.58	0.32	2.82	0.66	0.66
5	18	3	16.89	16.86	16.84	0.78	2.66	0.03	0.37
6	18	3	15.16	14.47	-14.47	-0.28	181.09	0.69	0.41
7	18	3	6.55	5.63	-5.63	-0.14	181.45	0.92	0.78
8	18	3	13.76	14.16	14.16	0.30	1.21	-0.40	0.44
9	18	3	4.54	5.84	5.84	0.06	0.59	-1.29	1.15
10	18	3	11.69	10.38	10.38	0.22	1.23	1.31	0.52
0	19	3	16.22	15.37	15.35	0.57	2.12	0.86	0.38
1	19	3	4.67	3.94	3.94	0.16	2.28	0.73	0.99
2	19	3	8.28	7.49	-7.49	-0.06	180.48	0.79	0.62
3	19	3	16.89	16.49	-16.49	-0.36	181.24	0.40	0.36
4	19	3	4.67	4.18	4.18	0.19	2.57	0.49	1.04
5	19	3	13.18	11.66	-11.66	-0.34	181.66	1.52	0.44
6	19	3	7.23	8.71	-8.71	-0.20	181.34	-1.48	0.73
7	19	3	20.50	21.32	-21.30	-0.89	182.38	-0.82	0.35
8	19	3	9.85	9.54	9.53	0.33	1.97	0.31	0.60
9	19	3	17.58	17.99	-17.97	-0.83	182.63	-0.41	0.39
1	20	3	4.28	5.93	5.92	0.21	1.99	-1.65	1.18
2	20	3	15.16	15.98	15.98	0.43	1.55	-0.82	0.40
5	20	3	19.71	19.69	19.69	0.49	1.43	0.01	0.39
6	20	3	29.81	29.83	-29.81	-1.01	181.93	-0.02	0.31

7	20	3	10.71	10.08	-10.06	-0.52	182.98	0.63	0.57
8	20	3	12.81	13.20	13.20	0.34	1.49	-0.39	0.51
0	21	3	24.54	24.93	-24.92	-0.83	181.90	-0.39	0.31
1	21	3	15.19	14.85	-14.84	-0.48	181.85	0.34	0.40
2	21	3	4.37	4.57	4.56	0.24	3.05	-0.20	1.21
4	21	3	25.66	26.21	26.20	0.73	1.60	-0.55	0.33
5	21	3	10.74	10.63	-10.61	-0.67	183.63	0.11	0.57
1	22	3	8.50	8.40	-8.39	-0.43	182.96	0.10	0.69
2	22	3	24.97	24.54	-24.53	-0.85	182.00	0.43	0.35
3	22	3	16.57	16.34	-16.32	-0.76	182.67	0.24	0.41
4	22	3	9.49	9.43	-9.43	-0.06	180.37	0.06	0.64
8	0	4	28.20	30.27	30.27	1.05	1.98	-2.08	0.31
12	0	4	36.28	37.19	-37.16	-1.55	182.39	-0.91	0.36
6	1	4	35.25	35.76	-35.73	-1.52	182.44	-0.52	0.28
4	2	4	22.37	22.21	22.18	1.09	2.82	0.16	0.26
5	2	4	6.48	6.23	-6.23	-0.04	180.37	0.25	0.71
7	2	4	8.85	8.73	-8.69	0.81	174.69	0.13	0.60
8	2	4	9.76	10.53	-10.53	-0.34	181.85	-0.77	0.56
9	2	4	11.85	12.34	-12.34	-0.37	181.70	-0.49	0.56
11	2	4	15.55	14.27	14.27	0.06	0.26	1.28	0.47
6	3	4	35.44	38.08	-38.05	-1.39	182.09	-2.64	0.26
7	3	4	4.99	7.67	-7.67	0.04	179.72	-2.68	1.15
10	3	4	29.57	30.01	-29.97	-1.43	182.73	-0.44	0.36
3	4	4	6.36	0.96	-0.89	0.36	158.10	5.40	0.58
4	4	4	11.80	12.14	-12.14	-0.11	180.53	-0.34	0.37
4	4	4	7.46	10.09	-10.08	-0.51	182.88	-2.63	0.66
5	4	4	5.62	5.98	5.96	-0.48	355.43	-0.36	0.90
7	4	4	16.39	16.95	-16.94	-0.55	181.86	-0.55	0.39
8	4	4	5.30	3.50	-3.49	-0.25	184.06	1.80	0.96
9	4	4	3.76	3.31	-3.31	0.01	179.75	0.45	1.03
1	5	4	20.93	21.05	-21.02	-1.01	182.76	-0.11	0.26
2	5	4	4.49	5.40	5.40	-0.03	359.73	-0.91	0.93
3	5	4	10.24	9.88	-9.88	-0.27	181.54	0.36	0.49
6	5	4	12.17	12.14	-12.14	-0.13	180.63	0.03	0.46
7	5	4	8.53	9.37	-9.36	-0.35	182.12	-0.84	0.63
8	5	4	31.06	32.55	-32.52	-1.38	182.43	-1.49	0.37
10	5	4	18.36	20.49	20.47	0.73	2.03	-2.13	0.48
11	5	4	13.52	13.25	-13.23	-0.80	183.47	0.27	0.38
0	6	4	5.62	4.16	-4.15	-0.19	182.60	1.46	0.70
1	6	4	3.71	0.57	0.56	-0.10	350.16	3.15	1.13
2	6	4	6.67	8.70	-8.66	-0.79	185.20	-2.03	0.71
3	6	4	43.16	45.19	-45.14	-2.14	182.71	-2.03	0.23
4	6	4	3.94	1.62	-1.56	0.43	164.47	2.32	1.15
5	6	4	5.11	2.94	-2.94	-0.06	181.08	2.17	0.86
6	6	4	10.68	11.93	11.91	0.71	3.39	-1.25	0.57
8	6	4	4.77	3.84	-3.78	-0.71	190.61	0.93	1.34
11	6	4	5.28	6.92	6.92	0.16	1.32	-1.65	0.88
2	7	4	32.62	33.12	33.11	0.92	1.59	-0.50	0.24
3	7	4	4.57	6.87	-6.87	-0.22	181.81	-2.30	1.10
4	7	4	5.49	4.81	-4.81	-0.22	182.67	0.68	0.88
5	7	4	7.65	7.41	7.39	0.56	4.31	0.24	0.63
6	7	4	6.80	2.53	-2.53	-0.07	181.67	4.27	0.67
7	7	4	6.60	7.37	-7.36	-0.25	181.97	-0.76	0.82
8	7	4	6.60	7.37	-7.36	-0.11	359.40	-2.55	0.78
9	7	4	30.41	32.17	32.15	1.11	1.98	-1.76	0.35
10	7	4	30.52	29.13	-29.10	-1.44	182.83	1.38	0.26
2	8	4	7.86	6.87	-6.86	-0.28	182.36	0.99	0.60
3	8	4	7.99	9.58	-9.57	0.39	177.66	-1.59	0.58
4	8	4	6.31	6.40	-6.40	-0.10	180.88	-0.09	0.71
5	8	4	5.13	4.43	-4.43	-0.06	180.73	0.70	0.93

6	8	4	8.71	8.39	-8.39	-0.31	182.11	0.32	0.61
7	8	4	12.97	12.65	-12.60	-1.16	185.25	0.32	0.48
8	8	4	9.83	8.55	-8.53	-0.54	183.65	1.28	0.57
9	8	4	12.00	13.35	13.35	0.33	1.42	-1.35	0.56
10	8	4	5.06	2.54	2.54	-0.02	359.64	2.52	1.27
0	9	4	4.15	0.17	-0.00	0.17	90.59	3.98	1.07
1	9	4	5.41	7.01	7.01	0.07	0.54	-1.60	0.91
2	9	4	10.83	10.63	10.61	0.55	2.97	0.21	0.45
4	9	4	5.17	3.90	3.90	-0.05	359.20	1.27	0.87
5	9	4	11.08	7.22	7.22	-0.28	357.79	3.86	0.48
6	9	4	31.85	32.49	32.47	1.19	2.10	-0.64	0.30
7	9	4	5.79	4.27	-4.27	-0.05	180.69	1.53	0.87
0	10	4	7.45	7.48	7.47	0.23	1.77	-0.03	0.63
1	10	4	5.98	6.56	6.56	-0.01	359.91	-0.58	0.80
2	10	4	15.51	15.81	-15.79	-0.75	182.71	-0.30	0.40
3	10	4	6.00	6.66	6.66	-0.07	359.41	-0.66	0.76
4	10	4	10.24	10.07	10.05	0.47	2.70	0.17	0.53
6	10	4	7.59	7.13	-7.13	-0.24	181.95	0.46	0.72
7	10	4	5.64	6.86	-6.85	0.38	176.81	-1.21	0.94
8	10	4	6.94	7.40	-7.40	-0.04	180.28	-0.46	0.79
9	10	4	7.71	7.89	7.87	0.52	3.76	-0.18	0.80
1	11	4	9.74	9.03	-9.01	-0.53	183.40	0.71	0.53
2	11	4	7.40	6.95	-6.95	-0.26	182.18	0.45	0.64
3	11	4	5.69	6.37	6.36	0.43	3.83	-0.68	0.84
4	11	4	6.85	6.02	6.00	0.38	3.65	0.83	0.73
6	11	4	30.11	29.89	29.85	1.49	2.86	0.22	0.33
7	11	4	7.93	11.12	-11.11	-0.42	182.16	-3.19	0.80
8	11	4	9.77	12.13	12.11	0.70	3.29	-2.36	0.67
0	12	4	44.05	43.87	43.83	1.93	2.52	0.18	0.29
1	12	4	18.29	20.02	-20.01	-0.66	181.90	-1.73	0.39
4	12	4	8.48	9.89	9.87	0.53	3.05	-1.40	0.64
7	12	4	17.73	18.20	18.20	0.13	0.41	-0.47	0.40
0	13	4	5.45	0.20	-0.00	0.20	90.51	5.25	0.94
1	13	4	14.16	14.59	14.58	0.49	1.92	-0.43	0.44
2	13	4	11.36	12.54	12.53	0.55	2.50	-1.18	0.55
3	13	4	9.21	8.43	-8.42	-0.33	182.26	0.78	0.58
4	13	4	9.10	10.88	10.88	0.35	1.83	-1.78	0.73
5	13	4	22.54	23.49	-23.46	-1.16	182.83	-0.95	0.37
6	13	4	16.38	17.14	-17.12	-0.94	183.15	-0.76	0.46
0	14	4	11.57	10.42	10.41	0.52	2.87	1.15	0.54
1	14	4	9.79	9.58	9.58	0.25	1.51	0.21	0.63
2	14	4	15.61	16.58	16.57	0.48	1.65	-0.96	0.44
3	14	4	9.87	10.23	10.23	0.18	0.99	-0.36	0.62
4	14	4	26.40	28.45	28.43	0.78	1.57	-2.05	0.37
5	14	4	14.17	14.40	-14.40	-0.32	181.28	-0.23	0.50
1	15	4	5.20	6.16	6.16	-0.14	358.69	-0.96	1.07
2	15	4	6.20	4.62	-4.59	-0.59	187.28	1.58	0.86
3	15	4	11.24	10.60	10.59	0.29	1.59	0.64	0.58