AM-88-379

Cd. 10f1

Holdawayite, $Mn_6(CO_3)_2(OH)_7(Cl,OH)$, a structure containing anions in zeolite-like channels

Donald R. Peacor, Roland C. Rouse

For deposit: Table 3

American Mineralogist, 73, 5-6, 637-642.

p. 19-40

TABLE 3. OBSERVED AND CALCULATED STRUCTURE FACTORS FOR HOLDAWAYITE.

H	K	L	FO	FC	A	B	PHI	DEL(F)	SIG*(F)
6	0	0	137.99	136.38	136.26	5.68	2.39	1.61	0.36
8	0	0	106.28	106.89	-106.74	-5.83	183.13	-0.62	0.42
10	0	0	103.23	102.52	-102.44	-3.85	182.15	0.71	0.48
12	0	0	252.10	246.59	246.37	10.28	2.39	5.51	0.50
14	0	0	23.16	24.76	-24.72	-1.39	183.23	-1.60	1.06
16	0	0	51.74	55.32	-55.18	-3.93	184.07	-3.58	0.71
18	0	0	147.49	137.87	137.71	6.69	2.78	9.62	0.63
20	0	0	17.40	33.08	-33.08	0.50	179.14	-15.68	2.03
22	0	0	24.08	27.61	-27.41	-3.35	186.96	-3.54	1.73
24	0	0	26.47	23.31	23.31	0.40	0.99	3.16	1.86
7	1	0	42.99	44.48	44.31	3.91	5.04	-1.49	0.38
9	1	0	151.18	146.54	146.48	4.03	1.58	4.65	0.31
11	1	0	9.23	7.04	7.04	0.01	0.12	2.19	1.86
13	1	0	91.88	91.02	91.00	2.23	1.40	0.86	0.40
15	1	0	85.57	86.71	-86.58	-4.75	183.14	-1.14	0.44
17	1	0	108.92	113.44	-113.21	-7.22	183.65	-4.53	0.45
19	1	0	93.12	92.27	92.14	4.89	3.04	0.85	0.50
21	1	0	61.19	58.26	58.13	3.79	3.73	2.93	0.60
23	1	0	45.98	51.80	-51.78	-1.52	181.68	-5.82	0.79
25	1	0	46.27	46.24	46.12	3.23	4.01	0.03	0.85
6	2	0	75.80	74.79	74.64	4.70	3.60	1.01	0.42
8	2	0	103.15	101.82	-101.66	-5.76	183.24	1.33	0.45
10	2	0	88.82	87.08	-87.00	-3.91	182.58	1.74	0.51
12	2	0	161.98	160.10	159.84	9.04	3.24	1.89	0.38
14	2	0	30.20	28.43	-28.39	-1.48	182.99	1.77	0.74
16	2	0	54.60	53.98	-53.85	-3.78	184.01	0.61	0.56
18	2	0	94.15	95.99	95.81	5.89	3.52	-1.84	0.51
20	2	0	29.64	32.28	-32.28	0.24	179.58	-2.64	1.02
22	2	0	31.92	31.30	-31.13	-3.31	186.07	0.62	1.01
7	3	0	31.02	34.00	33.84	3.29	5.55	-2.98	0.90
9	3	0	64.71	65.85	65.77	3.33	2.90	-1.15	0.61
13	3	0	42.20	41.19	41.16	1.69	2.35	1.01	0.83
15	3	0	53.10	52.82	-52.66	-4.12	184.47	0.28	0.80
17	3	0	75.02	74.36	-74.11	-6.08	184.69	0.67	0.57
19	3	0	57.46	56.65	56.51	3.99	4.04	0.81	0.71
6	4	0	37.35	39.64	39.48	3.48	5.04	-2.28	0.89
8	4	0	55.03	48.72	-48.52	-4.43	185.21	6.31	0.69
-24	0	1	95.44	93.57	93.41	5.46	3.34	1.87	0.85
-22	0	1	14.56	18.79	-18.76	-1.12	183.41	-4.23	2.55
-20	0	1	139.15	139.14	-138.98	-6.55	182.70	0.01	0.67
-18	0	1	20.66	28.68	-28.67	-0.87	181.73	-8.02	1.48
-16	0	1	62.22	65.06	-65.05	-0.82	180.72	-2.83	0.69
-14	0	1	72.18	63.94	63.92	1.45	1.30	8.25	0.61
-12	0	1	174.28	167.76	167.61	7.19	2.46	6.51	0.48
-10	0	1	120.93	109.78	109.78	0.56	0.29	11.16	0.44
-8	0	1	140.98	146.33	-146.25	-4.98	181.95	-5.35	0.38
-6	0	1	26.12	31.75	-31.72	-1.16	182.09	-5.63	0.55
6	0	1	81.48	76.42	76.41	1.37	1.03	5.06	0.42
8	0	1	31.45	28.99	28.86	2.80	5.55	2.46	0.63
10	0	1	73.66	73.51	-73.50	-1.07	180.84	0.15	0.51
12	0	1	234.09	239.58	-239.43	-8.41	182.01	-5.48	0.50
16	0	1	134.02	133.81	133.73	4.72	2.02	0.21	0.59
18	0	1	25.25	19.95	-19.95	0.48	178.62	5.30	1.19
20	0	1	75.42	74.22	74.13	3.63	2.80	1.20	0.79
22	0	1	15.81	9.19	9.12	1.15	7.17	6.62	2.57

24	0	1	61.09	63.52	-63.21	-6.20	185.60	-2.43	1.06
-27	1	1	66.88	70.75	-70.50	-5.88	184.76	-3.86	1.08
-25	1	1	60.95	61.33	61.25	3.18	2.98	-0.38	1.06
-23	1	1	69.36	73.53	73.44	3.59	2.80	-4.17	0.88
-21	1	1	12.70	21.53	-21.43	-2.06	185.48	-8.82	2.69
-19	1	1	20.07	19.64	19.56	1.74	5.07	0.43	1.63
-17	1	1	45.97	43.14	43.06	2.63	3.49	2.83	0.85
-15	1	1	56.62	60.15	-60.07	-3.10	182.96	-3.53	0.71
-13	1	1	11.07	6.08	6.07	0.22	2.10	4.99	1.96
-11	1	1	111.09	108.87	108.85	2.18	1.15	2.22	0.48
-9	1	1	189.91	191.82	-191.69	-6.90	182.06	-1.91	0.40
-7	1	1	48.66	50.01	-49.97	-2.03	182.33	-1.35	0.44
5	1	1	24.06	28.85	-28.55	-4.19	188.36	-4.79	0.77
7	1	1	261.06	257.39	257.27	8.07	1.80	3.66	0.40
9	1	1	11.11	7.09	-7.08	0.28	177.76	4.02	1.63
11	1	1	66.23	66.76	-66.75	-1.00	180.86	-0.53	0.53
13	1	1	144.94	142.67	142.61	4.29	1.72	2.27	0.53
15	1	1	60.74	63.42	-63.36	-2.80	182.53	-2.68	0.67
17	1	1	20.72	14.19	14.19	-0.51	357.93	6.53	1.36
19	1	1	18.82	13.58	13.34	2.53	10.73	5.24	1.65
21	1	1	64.28	68.47	-68.30	-4.84	184.05	-4.19	0.85
25	1	1	37.18	37.18	37.05	3.13	4.83	0.01	1.42
-24	2	1	78.59	79.04	78.87	5.05	3.66	-0.45	0.96
-22	2	1	14.72	11.76	-11.72	-0.97	184.72	2.96	2.69
-20	2	1	105.37	104.50	-104.33	-5.92	183.25	0.87	0.75
-16	2	1	41.86	42.83	-42.82	-0.68	180.91	-0.97	0.94
-14	2	1	50.09	46.47	46.44	1.43	1.76	3.63	0.77
-12	2	1	125.61	122.67	122.49	6.64	3.10	2.95	0.53
-10	2	1	64.52	61.87	61.87	0.60	0.55	2.66	0.75
-8	2	1	94.04	93.65	-93.54	-4.51	182.76	0.39	0.59
-6	2	1	20.55	21.01	-20.98	-1.13	183.08	-0.46	1.06
6	2	1	48.87	43.39	43.37	1.30	1.71	5.48	0.75
8	2	1	27.67	25.35	25.22	2.56	5.79	2.32	1.08
10	2	1	42.83	43.27	-43.26	-1.03	181.37	-0.44	0.73
12	2	1	163.99	163.99	-163.81	-7.65	182.67	0.00	0.53
14	2	1	9.44	4.82	-4.72	-0.96	191.51	4.62	2.86
16	2	1	100.85	100.64	100.55	4.37	2.49	0.20	0.65
18	2	1	13.20	9.54	-9.52	0.60	176.41	3.66	2.70
20	2	1	61.57	62.60	62.51	3.45	3.16	-1.03	0.90
24	2	1	49.04	48.84	-48.53	-5.56	186.54	0.20	1.28
-17	3	1	25.77	26.07	25.98	2.19	4.81	-0.30	1.73
-15	3	1	40.27	40.43	-40.34	-2.76	183.92	-0.16	1.40
-11	3	1	46.22	46.10	46.07	1.56	1.94	0.13	1.04
-9	3	1	104.28	103.32	-103.15	-5.95	183.30	0.96	0.67
-7	3	1	29.76	30.86	-30.81	-1.71	183.17	-1.10	1.13
5	3	1	35.09	36.01	-35.82	-3.69	185.89	-0.91	1.04
7	3	1	121.45	119.75	119.57	6.50	3.11	1.70	0.65
11	3	1	36.19	33.32	-33.31	-0.75	181.30	2.87	1.24
13	3	1	73.98	76.41	76.32	3.54	2.66	-2.43	0.94
15	3	1	42.27	41.47	-41.40	-2.42	183.34	0.80	1.28
19	3	1	13.56	6.65	6.37	1.91	16.69	6.92	3.17
-10	4	1	30.10	23.40	23.40	0.52	1.27	6.70	1.54
-8	4	1	43.28	45.70	-45.57	-3.47	184.35	-2.42	1.17
-6	4	1	29.53	15.79	-15.75	-1.12	184.05	13.74	1.32
6	4	1	25.61	15.32	15.28	0.98	3.68	10.30	1.63
8	4	1	17.83	8.74	8.55	1.80	11.91	9.08	2.34
-26	0	2	29.70	20.42	20.38	1.35	3.79	9.28	1.75
-24	0	2	79.82	75.08	74.90	5.20	3.97	4.74	0.88
-20	0	2	19.05	27.98	-27.92	-1.91	183.92	-8.93	1.82
-18	0	2	103.70	98.81	98.76	3.12	1.81	4.89	0.65

5	3	2	9.78	14.02	13.99	0.88	3.61	-4.24	3.25
7	3	2	56.56	56.93	-56.85	-3.03	183.05	-0.37	0.90
9	3	2	77.70	75.93	-75.79	-4.63	183.49	1.77	0.86
11	3	2	24.66	22.55	22.53	0.76	1.93	2.11	1.63
13	3	2	41.75	41.81	41.72	2.72	3.73	-0.06	1.21
17	3	2	56.70	58.26	58.17	3.33	3.27	-1.57	0.96
-8	4	2	64.30	69.54	69.44	3.80	3.13	-5.24	0.81
-6	4	2	49.73	54.79	54.57	4.88	5.11	-5.06	0.86
4	4	2	33.32	37.49	37.32	3.56	5.45	-4.17	1.24
6	4	2	69.02	74.69	74.53	4.81	3.69	-5.67	0.86
8	4	2	23.10	15.45	-15.39	-1.28	184.77	7.65	2.03
-24	0	3	31.12	34.97	-34.88	-2.48	184.06	-3.85	1.52
-22	0	3	21.20	30.58	-30.55	-1.45	182.72	-9.38	1.82
-20	0	3	204.43	199.90	199.70	8.95	2.57	4.53	0.65
-18	0	3	40.70	33.44	33.39	1.86	3.18	7.26	0.88
-16	0	3	123.46	128.83	-128.70	-5.73	182.55	-5.36	0.55
-12	0	3	51.57	56.10	-56.00	-3.33	183.40	-4.52	0.51
-10	0	3	139.43	138.54	-138.53	-1.77	180.73	0.89	0.40
-8	0	3	167.31	160.03	159.93	5.77	2.07	7.27	0.36
-6	0	3	6.26	1.66	-0.80	1.46	118.82	4.59	1.79
4	0	3	108.90	107.93	-107.85	-4.16	182.21	0.97	0.36
6	0	3	20.93	23.38	-23.23	-2.67	186.57	-2.45	0.79
8	0	3	52.00	51.34	51.29	2.20	2.46	0.66	0.55
10	0	3	38.08	33.47	33.44	1.22	2.10	4.62	0.69
12	0	3	101.75	99.99	99.88	4.80	2.75	1.75	0.59
14	0	3	46.47	47.00	46.88	3.36	4.10	-0.53	0.81
16	0	3	81.26	79.38	-79.02	-7.59	185.48	1.87	0.67
18	0	3	87.68	91.46	-91.33	-3.60	182.26	-3.72	0.73
20	0	3	40.25	36.84	36.72	2.98	4.64	3.41	1.11
22	0	3	47.26	48.93	-48.90	-1.80	182.11	-1.67	1.13
-23	1	3	25.61	30.88	-30.86	-1.16	182.15	-5.27	1.69
-21	1	3	56.96	57.69	-57.51	-4.53	184.50	-0.73	0.83
-19	1	3	70.93	64.54	64.46	3.31	2.94	6.39	0.71
-17	1	3	24.44	24.86	24.80	1.78	4.11	-0.42	1.15
-15	1	3	128.03	134.44	-134.26	-6.95	182.96	-6.41	0.53
-13	1	3	90.66	91.60	91.45	5.24	3.28	-0.94	0.51
-11	1	3	236.06	236.32	236.22	6.85	1.66	-0.26	0.42
-9	1	3	183.00	185.92	-185.83	-5.69	181.75	-2.92	0.38
-7	1	3	89.02	87.49	87.41	3.63	2.38	1.54	0.35
3	1	3	100.16	102.02	-101.86	-5.61	183.15	-1.86	0.35
5	1	3	84.38	89.30	89.21	3.92	2.52	-4.91	0.40
7	1	3	64.89	66.01	65.97	2.40	2.08	-1.12	0.50
9	1	3	294.23	293.57	-293.38	-10.55	182.06	0.66	0.48
11	1	3	64.43	62.98	62.92	2.85	2.59	1.45	0.63
13	1	3	106.28	107.23	107.10	5.26	2.81	-0.95	0.59
15	1	3	101.21	102.10	-101.89	-6.57	183.69	-0.89	0.63
19	1	3	139.52	143.77	143.66	5.76	2.30	-4.25	0.69
21	1	3	44.99	54.28	-54.26	-1.44	181.52	-9.29	1.11
-24	2	3	24.77	26.18	-26.10	-2.15	184.72	-1.42	1.96
-22	2	3	19.44	16.92	-16.88	-1.16	183.94	2.52	2.13
-20	2	3	155.99	153.77	153.55	8.27	3.08	2.21	0.69
-18	2	3	31.51	30.97	30.92	1.81	3.35	0.54	1.17
-16	2	3	89.08	91.73	-91.58	-5.15	183.22	-2.64	0.63
-12	2	3	44.24	42.19	-42.08	-3.05	184.14	2.05	0.69
-10	2	3	78.13	80.00	-79.98	-1.61	181.16	-1.87	0.65
-8	2	3	107.95	107.64	107.51	5.27	2.81	0.30	0.55
-6	2	3	10.51	8.89	8.77	1.43	9.24	1.62	1.75
4	2	3	73.85	73.33	-73.23	-3.85	183.01	0.52	0.57
6	2	3	21.63	23.73	-23.60	-2.41	185.83	-2.10	1.28
8	2	3	40.35	39.87	39.82	2.07	2.98	0.48	0.79

-16	0	2	36.03	44.15	-44.07	-2.62	183.40	-8.12	0.83
-14	0	2	13.93	3.13	2.99	-0.94	342.55	10.80	1.46
-12	0	2	53.20	51.59	-51.58	1.02	178.87	1.62	0.55
-10	0	2	93.38	86.97	86.94	-2.45	358.38	6.41	0.44
-8	0	2	253.50	251.42	251.35	5.62	1.28	2.08	0.36
-6	0	2	180.22	181.09	180.95	7.14	2.26	-0.87	0.31
4	0	2	130.98	131.58	131.46	5.54	2.41	-0.59	0.33
6	0	2	254.90	250.58	250.49	6.81	1.56	4.31	0.38
8	0	2	18.42	22.12	-22.03	-1.92	184.98	-3.70	0.92
10	0	2	27.42	27.81	-27.79	-1.07	182.21	-0.39	0.79
12	0	2	71.07	69.85	69.83	1.78	1.46	1.22	0.59
14	0	2	34.88	32.47	32.42	-1.81	356.80	2.42	0.85
16	0	2	21.24	29.21	-29.18	-1.27	182.50	-7.97	1.38
18	0	2	16.96	9.31	9.17	1.62	10.05	7.65	1.81
20	0	2	17.44	11.20	11.09	-1.55	352.04	6.24	1.97
22	0	2	15.54	10.97	10.97	-0.33	358.28	4.57	2.74
24	0	2	72.53	68.84	68.55	6.22	5.19	3.69	0.98
-27	1	2	66.86	64.99	64.88	3.91	3.44	1.87	1.04
-25	1	2	49.83	55.13	-55.01	-3.65	183.79	-5.31	1.11
-23	1	2	50.00	50.23	-50.10	-3.59	184.10	-0.22	1.02
-21	1	2	16.00	8.74	8.73	0.42	2.72	7.26	2.05
-19	1	2	19.32	13.18	13.06	-1.81	352.12	6.13	1.40
-17	1	2	80.40	73.76	73.63	4.49	3.49	6.63	0.67
-15	1	2	64.37	59.37	58.96	6.91	6.68	5.00	0.63
-13	1	2	66.75	70.19	-70.10	-3.49	182.85	-3.44	0.55
-11	1	2	85.24	88.62	-88.52	-4.10	182.65	-3.37	0.48
-9	1	2	13.41	14.69	-14.69	-0.36	181.42	-1.28	1.26
-7	1	2	33.08	34.29	-34.24	-1.78	182.98	-1.21	0.50
5	1	2	42.25	41.62	41.60	1.33	1.83	0.63	0.48
7	1	2	109.27	106.64	-106.59	-3.36	181.80	2.63	0.44
9	1	2	137.40	136.99	-136.88	-5.42	182.27	0.41	0.48
11	1	2	53.13	52.81	52.80	1.00	1.09	0.32	0.63
13	1	2	71.49	73.14	73.07	3.23	2.53	-1.65	0.61
15	1	2	16.69	14.28	-14.04	2.57	169.64	2.42	1.69
17	1	2	95.12	97.89	97.81	4.02	2.36	-2.76	0.69
19	1	2	60.17	64.02	-63.96	-2.70	182.41	-3.85	0.86
21	1	2	70.30	76.45	-76.26	-5.52	184.14	-6.16	0.88
23	1	2	14.20	18.34	18.30	1.13	3.54	-4.14	3.15
25	1	2	12.91	20.13	20.11	1.00	2.86	-7.22	3.84
-24	2	2	52.00	54.77	54.57	4.63	4.85	-2.77	1.17
-22	2	2	18.05	15.94	-15.80	-2.16	187.80	2.11	2.38
-20	2	2	26.40	30.20	-30.14	-1.96	183.73	-3.80	1.73
-18	2	2	60.59	61.07	61.01	2.54	2.39	-0.47	0.83
-16	2	2	40.96	44.11	-44.02	-2.73	183.55	-3.14	0.96
-12	2	2	37.76	37.11	-37.10	0.63	179.02	0.65	0.77
-10	2	2	16.61	16.30	16.10	-2.53	351.08	0.32	1.54
-8	2	2	135.88	136.17	136.08	4.77	2.01	-0.29	0.53
-6	2	2	101.61	102.67	102.48	6.16	3.44	-1.06	0.48
4	2	2	68.82	70.32	70.17	4.62	3.77	-1.50	0.55
6	2	2	142.77	140.61	140.49	5.92	2.41	2.15	0.57
8	2	2	36.84	36.27	-36.21	-2.04	183.22	0.57	0.98
10	2	2	31.24	31.61	-31.58	-1.31	182.38	-0.37	0.98
12	2	2	30.80	32.86	32.84	1.31	2.28	-2.07	1.02
16	2	2	30.60	32.85	-32.82	-1.48	182.59	-2.25	1.23
-19	3	2	13.39	6.35	6.19	-1.44	346.91	7.04	3.05
-17	3	2	44.78	43.07	42.90	3.77	5.02	1.71	1.09
-15	3	2	45.51	45.25	44.88	5.76	7.32	0.26	1.17
-13	3	2	44.36	44.82	-44.73	-2.88	183.69	-0.47	1.11
-11	3	2	54.11	52.05	-51.92	-3.57	183.93	2.06	0.88
-7	3	2	23.01	25.25	-25.19	-1.67	183.80	-2.24	1.28

-11	1	4	183.25	184.21	184.09	6.69	2.08	-0.96	0.42
-9	1	4	71.64	70.63	-70.61	-1.30	181.05	1.02	0.42
-7	1	4	54.30	50.79	50.78	-0.68	359.23	3.51	0.40
-5	1	4	96.49	95.06	95.06	0.84	0.51	1.43	0.33
-1	1	4	131.73	125.40	-125.39	-1.11	180.51	6.34	0.29
1	1	4	18.61	17.32	17.30	-0.82	357.29	1.29	0.71
3	1	4	24.10	21.89	21.88	-0.76	358.01	2.20	0.63
5	1	4	12.70	9.98	-9.97	-0.23	181.29	2.73	1.23
7	1	4	67.02	67.02	66.91	3.95	3.38	-0.00	0.50
9	1	4	169.13	167.11	167.00	6.05	2.08	2.03	0.50
11	1	4	79.41	77.06	-76.99	-3.17	182.36	2.35	0.63
13	1	4	103.57	103.22	-103.06	-5.77	183.21	0.35	0.63
19	1	4	50.90	47.53	47.50	1.54	1.86	3.38	0.92
21	1	4	90.41	89.87	89.63	6.53	4.16	0.53	0.83
23	1	4	33.73	34.37	-34.30	-2.13	183.56	-0.64	1.48
-26	2	4	32.56	34.29	-34.14	-3.24	185.43	-1.73	1.71
-24	2	4	68.44	69.17	69.10	3.22	2.67	-0.73	0.98
-22	2	4	34.29	41.50	-41.48	-1.14	181.57	-7.21	1.40
-20	2	4	31.94	28.02	-27.97	-1.75	183.57	3.92	1.28
-18	2	4	64.32	66.72	66.59	4.25	3.65	-2.41	0.73
-14	2	4	29.82	32.51	-32.43	-2.21	183.89	-2.69	0.96
-12	2	4	67.42	71.30	71.10	5.39	4.34	-3.88	0.55
-10	2	4	21.32	22.43	-22.41	-0.92	182.36	-1.11	1.21
-8	2	4	185.71	188.08	-187.80	-10.17	183.10	-2.37	0.51
-6	2	4	53.93	54.18	54.15	1.71	1.80	-0.25	0.57
-4	2	4	81.24	79.98	79.83	4.98	3.57	1.25	0.46
-2	2	4	12.22	10.61	-10.50	-1.52	188.25	1.61	1.44
0	2	4	110.53	112.38	112.18	6.77	3.45	-1.85	0.44
2	2	4	75.23	76.78	76.75	1.82	1.36	-1.54	0.53
4	2	4	185.65	186.41	-186.10	-10.71	183.29	-0.76	0.53
6	2	4	40.64	41.03	41.02	0.98	1.37	-0.39	0.85
8	2	4	64.08	65.05	64.93	3.90	3.43	-0.97	0.61
10	2	4	104.72	102.87	-102.77	-4.55	182.53	1.84	0.59
12	2	4	69.32	68.11	68.03	3.29	2.77	1.21	0.73
16	2	4	37.26	36.63	-36.47	-3.42	185.35	0.63	1.11
18	2	4	33.94	35.48	35.30	3.59	5.81	-1.54	1.26
20	2	4	43.84	44.64	44.62	1.25	1.60	-0.79	1.19
22	2	4	70.30	71.01	-70.80	-5.42	184.38	-0.71	0.98
-21	3	4	32.50	28.71	-28.63	-2.09	184.17	3.80	1.44
-19	3	4	17.30	22.18	-22.13	-1.45	183.75	-4.87	2.44
-17	3	4	27.80	28.24	-28.17	-1.92	183.90	-0.43	1.40
-15	3	4	45.03	43.68	-43.43	-4.69	186.17	1.35	1.11
-13	3	4	46.22	46.45	46.36	2.91	3.60	-0.23	0.98
-11	3	4	87.19	90.81	90.64	5.55	3.51	-3.62	0.73
-9	3	4	31.83	29.44	-29.42	-0.98	181.91	2.39	1.06
-7	3	4	14.29	10.06	10.04	-0.61	356.54	4.23	1.79
-5	3	4	32.58	33.11	33.11	0.57	0.99	-0.53	0.90
-3	3	4	64.60	60.82	-60.80	-1.41	181.33	3.78	0.55
-1	3	4	53.84	52.29	-52.27	-1.21	181.32	1.55	0.59
3	3	4	13.32	2.90	-2.82	-0.68	193.52	10.41	1.92
7	3	4	35.11	37.13	36.98	3.35	5.18	-2.02	1.09
9	3	4	89.58	89.79	89.66	4.97	3.17	-0.21	0.86
11	3	4	49.33	46.98	-46.90	-2.76	183.37	2.35	1.23
13	3	4	63.63	64.97	-64.78	-4.90	184.33	-1.34	0.90
-10	4	4	14.94	10.19	-10.16	-0.86	184.82	4.75	2.42
-8	4	4	95.20	90.22	-89.89	-7.74	184.92	4.98	0.67
-6	4	4	27.34	30.39	30.36	1.41	2.67	-3.05	1.30
-4	4	4	38.14	43.25	43.08	3.89	5.16	-5.11	0.94
-2	4	4	11.18	2.96	2.83	-0.87	342.94	8.23	2.63
0	4	4	55.68	59.62	59.38	5.40	5.19	-3.94	0.73

10	2	3	25.11	24.75	24.72	1.24	2.86	0.36	1.19
12	2	3	78.78	78.03	77.90	4.49	3.30	0.75	0.67
14	2	3	38.83	39.41	39.29	3.12	4.54	-0.58	0.96
16	2	3	62.80	62.15	-61.77	-6.86	186.34	0.65	0.81
18	2	3	64.41	66.43	-66.35	-3.25	182.80	-2.02	0.85
20	2	3	32.77	32.01	31.90	2.74	4.92	0.76	1.34
22	2	3	34.21	35.28	-35.25	-1.53	182.49	-1.07	1.50
-21	3	3	44.95	43.37	-43.19	-3.95	185.23	1.58	1.23
-19	3	3	33.67	38.61	38.52	2.59	3.85	-4.94	1.52
-15	3	3	80.26	79.60	-79.39	-5.76	184.15	0.66	0.90
-13	3	3	52.96	51.93	51.74	4.40	4.86	1.03	0.94
-11	3	3	113.32	114.66	114.52	5.63	2.81	-1.34	0.71
-9	3	3	94.47	93.44	-93.32	-4.83	182.97	1.03	0.65
-7	3	3	39.35	39.68	39.59	2.75	3.97	-0.33	0.86
-5	3	3	20.30	11.93	11.91	-0.65	356.89	8.38	1.17
3	3	3	66.71	65.40	-65.24	-4.64	184.07	1.31	0.63
5	3	3	42.57	44.53	44.41	3.17	4.09	-1.95	0.92
7	3	3	28.18	25.90	25.84	1.85	4.09	2.28	1.28
9	3	3	162.49	158.88	-158.62	-8.96	183.23	3.61	0.77
11	3	3	25.73	28.91	28.83	2.08	4.13	-3.18	1.92
13	3	3	61.90	60.24	60.09	4.23	4.03	1.66	1.06
15	3	3	66.56	65.32	-65.09	-5.47	184.81	1.24	0.86
17	3	3	11.65	6.65	6.56	1.08	9.31	5.00	3.64
-10	4	3	34.92	39.02	-38.99	-1.38	182.02	-4.09	1.32
-8	4	3	52.45	47.41	47.25	3.90	4.72	5.04	0.88
-6	4	3	11.89	5.46	5.32	1.22	12.95	6.43	2.69
4	4	3	41.15	39.97	-39.85	-3.16	184.53	1.18	1.00
6	4	3	13.45	17.83	-17.73	-1.90	186.10	-4.38	3.05
-26	0	4	24.35	34.20	-34.04	-3.33	185.58	-9.85	2.09
-24	0	4	102.21	98.34	98.26	3.78	2.20	3.87	0.81
-22	0	4	29.99	43.94	-43.93	-1.00	181.30	-13.95	1.30
-20	0	4	19.40	26.27	-26.21	-1.69	183.68	-6.87	1.77
-18	0	4	113.89	103.46	103.34	4.84	2.68	10.43	0.59
-16	0	4	24.42	18.76	18.75	0.55	1.68	5.66	1.04
-14	0	4	13.78	19.90	-19.79	-2.09	186.04	-6.12	1.38
-12	0	4	123.37	117.81	117.64	6.30	3.07	5.56	0.46
-8	0	4	229.80	237.12	-236.88	-10.68	182.58	-7.32	0.35
-6	0	4	128.72	128.59	128.57	2.29	1.02	0.14	0.33
-4	0	4	142.59	144.30	144.18	5.90	2.34	-1.70	0.29
0	0	4	188.41	194.80	194.64	7.79	2.29	-6.39	0.29
2	0	4	169.22	170.66	170.64	2.46	0.82	-1.43	0.33
4	0	4	225.87	227.21	-226.93	-11.30	182.85	-1.34	0.36
6	0	4	98.37	99.32	99.31	1.55	0.89	-0.95	0.44
8	0	4	111.95	114.44	114.34	4.73	2.37	-2.48	0.48
10	0	4	128.99	126.73	-126.64	-4.67	182.11	2.27	0.53
12	0	4	114.93	112.00	111.93	3.85	1.97	2.93	0.59
14	0	4	16.69	14.36	14.01	3.14	12.62	2.33	1.63
16	0	4	32.37	33.95	-33.76	-3.56	186.01	-1.58	1.04
18	0	4	55.64	53.79	53.63	4.18	4.45	1.85	0.88
20	0	4	70.34	66.80	66.78	1.62	1.39	3.53	0.90
22	0	4	75.58	78.89	-78.68	-5.73	184.17	-3.31	0.94
-29	1	4	12.46	4.47	4.45	-0.38	355.18	7.98	4.13
-27	1	4	29.19	28.83	-28.62	-3.45	186.88	0.36	1.73
-25	1	4	27.34	21.70	21.35	3.87	10.28	5.65	1.71
-23	1	4	102.44	102.19	102.02	5.90	3.31	0.25	0.77
-21	1	4	36.96	43.76	-43.69	-2.53	183.32	-6.80	1.08
-19	1	4	25.80	32.79	-32.75	-1.60	182.79	-6.98	1.23
-17	1	4	41.27	47.12	-47.08	-2.10	182.55	-5.86	0.81
-15	1	4	51.39	53.21	-52.93	-5.52	185.95	-1.83	0.63
-13	1	4	79.03	78.81	78.73	3.61	2.63	0.22	0.51

2	2	5	39.87	40.82	40.76	2.28	3.20	-0.95	0.73
4	2	5	37.18	34.34	-34.18	3.34	174.42	2.84	0.85
6	2	5	87.97	88.62	88.60	1.68	1.09	-0.65	0.51
8	2	5	32.85	33.82	-33.71	-2.75	184.67	-0.97	0.92
10	2	5	64.14	66.39	-66.28	-3.82	183.30	-2.25	0.69
12	2	5	60.28	59.01	-58.97	-2.07	182.01	1.28	0.79
16	2	5	50.15	47.90	47.66	4.80	5.75	2.25	0.98
18	2	5	67.65	71.18	71.10	3.30	2.65	-3.52	0.92
20	2	5	48.64	48.53	-48.45	-2.78	183.29	0.11	1.17
-21	3	5	23.66	21.20	-21.03	-2.65	187.18	2.46	1.90
-19	3	5	29.74	32.72	32.70	1.20	2.10	-2.98	1.46
-17	3	5	31.83	28.04	27.95	2.23	4.57	3.79	1.13
-15	3	5	39.79	40.41	-40.34	-2.35	183.33	-0.62	1.19
-11	3	5	45.74	48.54	-48.49	-2.32	182.74	-2.80	0.96
-9	3	5	50.00	49.89	-49.82	-2.64	183.03	0.11	0.81
-7	3	5	74.98	77.14	77.03	4.28	3.18	-2.17	0.63
-5	3	5	61.47	61.03	60.86	4.56	4.29	0.44	0.63
-3	3	5	19.29	18.66	18.66	0.48	1.48	0.62	1.28
-1	3	5	36.41	36.04	-36.00	-1.62	182.58	0.37	0.83
1	3	5	83.56	85.68	-85.57	-4.44	182.97	-2.13	0.59
3	3	5	44.70	45.86	-45.79	-2.69	183.36	-1.16	0.90
5	3	5	49.56	48.22	48.16	2.49	2.96	1.34	0.86
7	3	5	32.79	31.62	31.53	2.41	4.37	1.17	1.21
9	3	5	38.87	43.74	43.74	0.15	0.19	-4.87	1.30
11	3	5	18.48	18.03	18.02	0.50	1.60	0.45	2.44
13	3	5	21.18	22.25	-22.24	0.69	178.21	-1.07	2.15
-8	4	5	17.42	21.27	-21.13	-2.42	186.52	-3.84	2.11
-6	4	5	19.13	21.92	-21.81	-2.19	185.74	-2.79	1.84
-4	4	5	27.80	20.47	20.42	1.49	4.18	7.33	1.26
2	4	5	15.92	16.42	16.32	1.82	6.36	-0.50	2.22
4	4	5	15.39	5.81	-5.21	2.58	153.64	9.58	2.36
-26	0	6	17.67	2.32	2.25	0.58	14.33	15.34	2.52
-24	0	6	60.65	58.53	58.49	2.41	2.36	2.11	0.94
-22	0	6	46.37	53.73	-53.69	-2.09	182.23	-7.36	0.92
-20	0	6	45.03	52.23	-52.19	-2.07	182.27	-7.20	0.83
-18	0	6	142.71	141.50	141.42	4.86	1.97	1.21	0.57
-16	0	6	19.70	22.28	-21.95	-3.83	189.90	-2.58	1.17
-14	0	6	92.65	95.95	-95.82	-4.99	182.98	-3.30	0.51
-12	0	6	203.17	200.70	200.57	7.34	2.10	2.46	0.44
-10	0	6	15.43	15.99	15.98	0.51	1.84	-0.56	0.94
-8	0	6	8.54	9.02	8.97	0.90	5.74	-0.48	1.46
-6	0	6	265.95	272.15	271.99	9.21	1.94	-6.20	0.35
-4	0	6	169.90	165.39	-165.18	-8.23	182.85	4.51	0.35
-2	0	6	191.52	188.75	-188.53	-9.13	182.77	2.77	0.35
0	0	6	224.62	235.47	235.32	8.48	2.06	-10.85	0.36
2	0	6	46.39	41.72	-41.72	-0.28	180.39	4.67	0.48
4	0	6	41.31	35.66	-35.65	-0.77	181.24	5.65	0.57
6	0	6	234.65	238.72	238.52	9.58	2.30	-4.06	0.46
8	0	6	74.24	74.57	-74.46	-4.08	183.13	-0.34	0.55
10	0	6	112.24	110.17	-110.04	-5.32	182.77	2.07	0.57
12	0	6	195.69	193.91	193.78	7.06	2.09	1.77	0.59
14	0	6	13.83	11.87	-11.71	-1.98	189.59	1.96	2.19
16	0	6	77.76	80.56	-80.37	-5.48	183.90	-2.80	0.81
18	0	6	58.37	55.47	55.35	3.75	3.87	2.89	0.96
20	0	6	15.98	12.00	11.92	1.36	6.52	3.98	2.84
-29	1	6	18.09	13.13	-13.04	-1.50	186.54	4.97	2.95
-25	1	6	17.58	12.26	12.21	-1.00	355.30	5.32	2.30
-23	1	6	121.85	125.65	-125.46	-7.00	183.19	-3.80	0.73
-21	1	6	53.57	51.08	51.03	2.33	2.61	2.49	0.81
-19	1	6	101.58	98.52	98.27	7.03	4.09	3.06	0.63

2	4	4	32.58	38.65	38.63	1.42	2.11	-6.07	1.15
4	4	4	95.91	90.38	-90.01	-8.09	185.14	5.54	0.71
-24	0	5	38.32	38.47	-38.41	-2.25	183.35	-0.15	1.24
-22	0	5	17.86	14.03	14.03	-0.22	359.11	3.83	1.90
-20	0	5	118.76	126.03	-125.91	-5.47	182.49	-7.26	0.63
-18	0	5	76.65	79.57	-79.50	-3.33	182.40	-2.92	0.63
-16	0	5	203.38	196.66	196.51	7.66	2.23	6.72	0.51
-14	0	5	12.74	8.76	8.19	3.10	20.75	3.99	1.44
-12	0	5	58.18	62.40	-62.37	-1.87	181.72	-4.23	0.51
-10	0	5	42.08	36.57	36.55	1.07	1.68	5.51	0.50
-8	0	5	9.90	19.20	-18.92	-3.23	189.68	-9.30	1.30
-6	0	5	36.94	40.86	-40.77	-2.70	183.79	-3.93	0.46
-4	0	5	93.48	91.99	91.95	2.63	1.64	1.48	0.33
-2	0	5	14.45	13.41	-13.38	-0.93	183.97	1.04	0.79
0	0	5	24.13	24.27	-24.20	-1.88	184.44	-0.14	0.55
2	0	5	56.05	58.62	58.57	2.40	2.35	-2.57	0.40
4	0	5	110.42	98.03	-97.97	3.57	177.91	12.39	0.40
6	0	5	151.92	148.84	148.83	1.86	0.71	3.08	0.44
8	0	5	50.42	47.52	-47.43	-3.02	183.64	2.90	0.59
10	0	5	93.29	90.39	-90.29	-4.19	182.66	2.90	0.57
12	0	5	88.47	87.95	-87.92	-2.29	181.49	0.52	0.63
16	0	5	59.15	53.22	52.98	5.12	5.52	5.93	0.81
18	0	5	81.64	85.57	85.50	3.48	2.33	-3.93	0.81
20	0	5	66.50	66.04	-65.96	-3.21	182.79	0.46	0.94
-29	1	5	19.40	6.32	6.30	0.47	4.25	13.08	2.72
-27	1	5	51.73	55.57	-55.44	-3.76	183.88	-3.84	1.17
-25	1	5	63.22	65.98	65.91	3.09	2.68	-2.76	0.98
-23	1	5	46.41	40.25	40.05	4.09	5.83	6.16	1.04
-21	1	5	22.32	25.29	-25.08	-3.26	187.41	-2.97	1.40
-19	1	5	57.00	54.42	54.40	1.45	1.53	2.59	0.75
-17	1	5	51.82	50.71	50.64	2.79	3.15	1.11	0.69
-15	1	5	56.52	60.67	-60.61	-2.55	182.41	-4.15	0.59
-11	1	5	79.34	82.05	-82.00	-2.65	181.85	-2.71	0.46
-9	1	5	93.02	92.49	-92.44	-3.04	181.89	0.53	0.40
-7	1	5	170.61	171.27	171.20	5.20	1.74	-0.67	0.35
-5	1	5	114.16	118.13	118.01	5.44	2.64	-3.97	0.35
-3	1	5	64.51	64.67	64.67	0.77	0.68	-0.17	0.36
-1	1	5	71.80	70.00	-69.98	-1.71	181.40	1.80	0.35
1	1	5	166.45	164.37	-164.29	-5.12	181.78	2.08	0.35
3	1	5	76.11	76.84	-76.79	-2.85	182.13	-0.73	0.42
5	1	5	107.03	108.25	108.20	3.21	1.70	-1.23	0.44
7	1	5	49.87	51.71	51.63	2.88	3.19	-1.84	0.59
9	1	5	102.11	103.62	103.62	0.22	0.12	-1.51	0.53
11	1	5	31.45	32.65	32.64	0.56	0.99	-1.20	0.92
13	1	5	41.73	39.41	-39.40	0.85	178.77	2.32	0.83
15	1	5	11.51	4.43	-4.36	-0.77	190.04	7.08	2.44
19	1	5	14.41	10.47	10.45	-0.67	356.30	3.94	2.52
21	1	5	56.81	59.46	-59.34	-3.73	183.59	-2.65	1.00
-24	2	5	27.30	27.57	-27.50	-1.97	184.10	-0.27	1.77
-20	2	5	87.25	90.84	-90.71	-4.94	183.12	-3.60	0.75
-18	2	5	55.87	57.07	-56.99	-2.96	182.97	-1.20	0.81
-16	2	5	145.72	145.63	145.46	7.04	2.77	0.09	0.55
-14	2	5	15.58	16.45	16.18	2.96	10.38	-0.87	1.67
-12	2	5	33.85	38.24	-38.21	-1.59	182.38	-4.39	0.81
-10	2	5	26.82	26.49	26.47	1.00	2.16	0.33	0.98
-8	2	5	21.55	25.40	-25.23	-2.96	186.69	-3.85	1.08
-6	2	5	30.60	32.36	-32.26	-2.53	184.48	-1.76	0.81
-4	2	5	57.54	57.69	57.65	2.32	2.31	-0.15	0.57
-2	2	5	10.38	11.85	-11.83	-0.82	183.98	-1.47	1.75
0	2	5	16.63	18.98	-18.91	-1.64	184.96	-2.34	1.17

-26	0	7	23.68	15.60	-15.27	-3.18	191.78	8.08	2.01
-24	0	7	87.70	81.97	81.79	5.48	3.83	5.73	0.79
-22	0	7	14.96	14.22	14.06	2.15	8.69	0.75	2.11
-18	0	7	67.37	61.46	61.41	2.64	2.47	5.90	0.65
-16	0	7	107.83	112.01	-111.83	-6.42	183.28	-4.18	0.55
-14	0	7	127.55	128.54	-128.43	-5.42	182.41	-0.99	0.50
-12	0	7	127.13	125.70	125.61	4.74	2.16	1.43	0.46
-10	0	7	44.67	45.40	45.37	1.47	1.86	-0.73	0.51
-8	0	7	41.83	40.59	40.59	-0.78	358.90	1.24	0.50
-6	0	7	171.13	157.82	-157.81	2.17	179.21	13.30	0.38
-2	0	7	36.36	36.25	36.24	-0.56	359.11	0.11	0.48
0	0	7	47.35	47.34	47.34	0.31	0.38	0.01	0.46
2	0	7	81.33	78.18	-78.16	-1.68	181.23	3.16	0.44
4	0	7	69.09	67.44	-67.32	-4.01	183.41	1.65	0.50
6	0	7	65.44	60.35	-60.32	-1.84	181.74	5.09	0.53
8	0	7	145.84	148.62	148.50	6.14	2.37	-2.79	0.53
10	0	7	75.85	77.04	76.90	4.62	3.44	-1.19	0.63
12	0	7	53.14	50.39	-50.31	-2.72	183.09	2.76	0.77
14	0	7	26.79	29.43	29.43	-0.54	358.95	-2.64	1.36
16	0	7	69.71	68.95	-68.90	-2.72	182.26	0.75	0.86
18	0	7	91.46	88.31	-88.17	-4.99	183.24	3.15	0.83
-29	1	7	36.02	38.16	38.12	1.80	2.70	-2.15	1.61
-27	1	7	39.33	36.42	-36.15	-4.46	187.03	2.91	1.30
-25	1	7	14.51	7.12	7.09	0.60	4.79	7.39	2.52
-21	1	7	64.68	70.86	-70.74	-4.10	183.32	-6.18	0.77
-17	1	7	72.82	73.31	73.23	3.25	2.54	-0.49	0.61
-15	1	7	109.71	110.15	-110.08	-3.84	182.00	-0.44	0.53
-13	1	7	101.59	104.24	104.21	2.73	1.50	-2.65	0.50
-11	1	7	256.41	259.35	259.18	9.40	2.08	-2.94	0.44
-9	1	7	146.49	145.00	-144.88	-5.74	182.27	1.49	0.42
-7	1	7	195.20	193.59	-193.46	-7.31	182.16	1.61	0.38
-5	1	7	126.88	129.41	129.35	3.75	1.66	-2.53	0.38
-3	1	7	116.27	113.72	-113.66	-3.90	181.97	2.55	0.38
-1	1	7	37.36	38.22	38.21	0.83	1.24	-0.86	0.53
1	1	7	372.95	378.66	378.45	12.45	1.88	-5.70	0.40
3	1	7	139.07	138.52	-138.46	-3.95	181.64	0.55	0.44
5	1	7	127.99	129.11	-128.93	-6.75	183.00	-1.12	0.48
7	1	7	64.39	66.34	66.08	5.89	5.10	-1.96	0.59
9	1	7	49.38	49.34	-49.23	-3.28	183.81	0.04	0.73
11	1	7	63.95	65.03	-64.93	-3.72	183.28	-1.08	0.71
13	1	7	106.41	103.42	103.25	5.81	3.22	2.99	0.71
15	1	7	61.98	65.63	-65.58	-2.64	182.31	-3.66	0.90
17	1	7	17.65	15.03	14.99	-1.15	355.59	2.62	2.11
19	1	7	101.54	104.53	104.29	7.06	3.87	-2.99	0.83
-26	2	7	16.92	11.37	-11.02	-2.80	194.24	5.55	2.86
-24	2	7	71.76	71.74	71.56	5.11	4.08	0.02	0.88
-22	2	7	19.21	15.44	15.30	2.11	7.86	3.77	1.82
-18	2	7	51.76	48.29	48.23	2.46	2.91	3.47	0.79
-16	2	7	81.44	82.77	-82.57	-5.82	184.03	-1.33	0.63
-14	2	7	90.20	89.34	-89.20	-4.94	183.17	0.86	0.57
-12	2	7	88.16	87.25	87.14	4.29	2.82	0.92	0.51
-10	2	7	32.87	32.91	32.88	1.41	2.46	-0.04	0.75
-8	2	7	20.72	18.30	18.29	-0.62	358.06	2.42	1.23
-6	2	7	69.88	70.36	-70.33	2.08	178.30	-0.48	0.63
-2	2	7	21.93	17.29	17.28	-0.53	358.23	4.64	1.04
0	2	7	27.40	26.28	26.28	0.23	0.50	1.12	0.92
2	2	7	49.12	47.50	-47.47	-1.54	181.86	1.62	0.59
4	2	7	47.08	48.54	-48.40	-3.64	184.31	-1.45	0.67
6	2	7	35.92	36.14	-36.11	-1.57	182.49	-0.22	0.81
8	2	7	109.17	109.39	109.24	5.73	3.00	-0.22	0.59

-15	1	6	63.22	63.80	63.78	1.34	1.20	-0.58	0.59
-13	1	6	28.32	29.91	-29.89	-1.02	181.95	-1.59	0.77
-11	1	6	203.90	209.67	-209.57	-6.54	181.79	-5.78	0.42
-9	1	6	6.81	2.49	2.24	1.08	25.78	4.32	1.99
-7	1	6	87.41	87.41	87.35	3.13	2.05	0.01	0.40
-5	1	6	14.60	16.31	-16.26	-1.34	184.70	-1.71	0.96
-3	1	6	57.16	58.59	58.58	0.84	0.82	-1.43	0.40
-1	1	6	98.89	96.65	96.63	1.81	1.07	2.24	0.36
1	1	6	65.01	69.52	69.49	2.21	1.82	-4.52	0.44
3	1	6	16.37	17.66	17.64	0.86	2.80	-1.29	0.98
5	1	6	99.25	100.52	-100.45	-3.78	182.16	-1.27	0.48
7	1	6	40.52	39.39	-39.30	-2.60	183.78	1.13	0.67
9	1	6	31.75	31.50	-31.45	-1.70	183.10	0.25	0.86
11	1	6	29.88	28.68	28.66	1.02	2.05	1.20	1.00
13	1	6	117.30	117.12	116.88	7.47	3.66	0.18	0.65
15	1	6	52.28	53.50	53.49	1.32	1.42	-1.22	0.88
17	1	6	111.05	113.05	-112.95	-4.89	182.48	-2.00	0.75
21	1	6	30.35	31.87	-31.82	-1.69	183.04	-1.52	1.65
-24	2	6	39.01	39.93	39.88	2.08	2.98	-0.92	1.24
-22	2	6	44.68	49.60	-49.56	-2.10	182.43	-4.92	1.06
-20	2	6	49.27	48.77	-48.72	-2.14	182.52	0.50	0.90
-18	2	6	91.89	92.69	92.60	4.10	2.54	-0.81	0.65
-16	2	6	34.48	34.78	-34.57	-3.82	186.31	-0.30	0.96
-14	2	6	83.25	80.98	-80.84	-4.83	183.42	2.27	0.57
-12	2	6	124.64	125.18	125.02	6.41	2.93	-0.55	0.48
-8	2	6	14.66	10.58	-10.57	0.50	177.30	4.08	1.50
-6	2	6	163.76	163.84	163.65	7.99	2.79	-0.09	0.53
-4	2	6	141.08	141.93	-141.71	-7.93	183.20	-0.85	0.51
-2	2	6	155.24	157.79	-157.55	-8.77	183.19	-2.55	0.51
0	2	6	138.72	140.89	140.70	7.29	2.97	-2.17	0.53
2	2	6	43.84	43.44	-43.43	-0.59	180.77	0.41	0.73
4	2	6	36.23	35.78	-35.77	-0.99	181.59	0.44	0.75
6	2	6	150.41	152.96	152.73	8.46	3.17	-2.56	0.50
8	2	6	64.28	66.47	-66.35	-3.95	183.41	-2.19	0.65
10	2	6	94.15	93.19	-93.05	-5.16	183.17	0.95	0.63
12	2	6	131.33	131.37	131.23	6.11	2.66	-0.04	0.65
14	2	6	23.29	20.03	-19.92	-2.06	185.92	3.27	1.67
16	2	6	71.20	71.80	-71.61	-5.23	184.17	-0.60	0.86
18	2	6	38.28	38.65	38.51	3.27	4.86	-0.37	1.32
-21	3	6	31.06	31.73	31.67	1.92	3.47	-0.67	1.48
-19	3	6	63.06	61.53	61.25	5.88	5.49	1.54	0.85
-15	3	6	37.43	30.68	30.66	1.07	2.00	6.75	1.19
-13	3	6	12.36	17.94	-17.92	-0.97	183.10	-5.59	2.93
-11	3	6	111.74	111.42	-111.28	-5.58	182.87	0.32	0.69
-7	3	6	41.39	41.42	41.34	2.46	3.40	-0.03	0.85
-5	3	6	19.25	15.15	-15.11	-1.09	184.14	4.09	1.36
-3	3	6	26.73	30.26	30.25	0.73	1.37	-3.53	1.02
-1	3	6	34.58	37.71	37.68	1.53	2.33	-3.13	0.94
1	3	6	30.85	35.56	35.52	1.77	2.86	-4.71	1.09
5	3	6	58.33	57.66	-57.56	-3.32	183.31	0.67	0.86
7	3	6	29.93	26.75	-26.65	-2.31	184.96	3.18	1.34
9	3	6	20.66	21.37	-21.32	-1.47	183.95	-0.71	1.97
11	3	6	18.63	16.54	16.52	0.91	3.16	2.09	2.15
13	3	6	71.82	73.77	73.50	6.25	4.86	-1.95	0.90
15	3	6	34.40	32.11	32.09	1.14	2.03	2.29	1.42
-6	4	6	81.93	83.91	83.69	6.07	4.15	-1.98	0.73
-4	4	6	72.29	68.69	-68.43	-6.01	185.02	3.60	0.73
-2	4	6	82.19	76.06	-75.77	-6.72	185.07	6.13	0.69
0	4	6	67.67	72.18	71.98	5.47	4.34	-4.51	0.77
2	4	6	23.93	17.48	-17.48	-0.28	180.91	6.45	1.61

11	1	8	50.86	52.36	-52.24	-3.54	183.87	-1.50	0.79
13	1	8	59.17	58.50	-58.30	-4.78	184.68	0.68	0.86
17	1	8	66.50	64.01	63.86	4.37	3.91	2.49	0.94
21	1	8	18.84	16.09	16.08	0.15	0.53	2.76	2.69
-26	2	8	34.63	35.91	-35.68	-4.06	186.50	-1.27	1.46
-24	2	8	59.56	61.65	61.48	4.55	4.23	-2.09	1.02
-22	2	8	33.67	32.90	32.90	0.20	0.36	0.77	1.23
-20	2	8	59.73	59.91	-59.82	-3.23	183.09	-0.18	0.79
-18	2	8	57.88	61.84	61.72	3.95	3.66	-3.96	0.81
-16	2	8	16.48	13.25	-13.08	2.06	171.04	3.24	1.61
-14	2	8	16.54	11.43	-11.39	-1.02	185.10	5.11	1.40
-12	2	8	23.39	25.64	25.64	0.27	0.61	-2.25	1.09
-10	2	8	74.48	74.25	-74.15	-3.96	183.06	0.23	0.53
-8	2	8	95.87	95.27	-95.17	-4.39	182.64	0.60	0.48
-6	2	8	55.05	55.24	55.17	2.84	2.95	-0.19	0.53
-4	2	8	119.07	119.04	118.91	5.55	2.67	0.04	0.44
-2	2	8	52.69	55.55	55.50	2.24	2.31	-2.86	0.55
0	2	8	35.00	34.62	-34.60	-1.12	181.86	0.38	0.75
2	2	8	40.04	39.36	-39.27	-2.65	183.86	0.69	0.71
4	2	8	24.77	22.72	-22.54	-2.81	187.10	2.05	1.00
6	2	8	14.51	13.23	13.23	0.12	0.54	1.28	1.79
8	2	8	26.38	26.15	26.07	2.08	4.55	0.23	1.19
10	2	8	13.50	10.78	-10.77	-0.42	182.21	2.72	2.26
14	2	8	32.60	30.55	30.48	2.11	3.96	2.05	1.44
18	2	8	13.82	1.16	1.11	0.36	18.03	12.65	3.34
-19	3	8	93.65	93.14	-92.86	-7.16	184.41	0.51	0.75
-17	3	8	22.47	23.65	-23.65	-0.03	180.08	-1.18	1.75
-15	3	8	59.71	61.45	61.35	3.42	3.19	-1.74	0.98
-11	3	8	73.04	74.62	74.55	3.20	2.46	-1.57	0.81
-9	3	8	10.34	13.81	13.76	1.23	5.12	-3.47	2.99
-7	3	8	60.05	61.45	-61.33	-3.85	183.60	-1.40	0.79
-5	3	8	20.84	20.10	20.08	0.96	2.75	0.73	1.46
-3	3	8	14.94	13.81	13.77	1.05	4.38	1.14	1.92
-1	3	8	70.38	69.32	-69.22	-3.79	183.13	1.06	0.75
1	3	8	36.76	33.60	-33.57	-1.35	182.29	3.16	1.02
3	3	8	29.74	32.05	31.98	2.04	3.65	-2.31	1.24
5	3	8	38.16	40.73	40.64	2.76	3.88	-2.57	1.21
7	3	8	36.09	36.41	36.33	2.39	3.77	-0.32	1.28
11	3	8	36.39	34.41	-34.27	-3.09	185.15	1.98	1.24
13	3	8	44.55	41.31	-41.11	-4.08	185.67	3.25	1.21
-26	0	9	56.93	51.60	51.49	3.42	3.80	5.32	1.06
-24	0	9	84.86	87.71	-87.54	-5.42	183.54	-2.85	0.83
-22	0	9	92.15	92.95	-92.77	-5.80	183.58	-0.80	0.71
-20	0	9	23.85	17.59	17.35	2.86	9.37	6.26	1.24
-18	0	9	76.29	74.05	74.04	0.92	0.71	2.24	0.65
-16	0	9	7.91	6.82	-6.40	2.36	159.80	1.08	2.57
-14	0	9	88.05	86.31	86.16	4.95	3.29	1.74	0.53
-12	0	9	94.61	91.46	-91.35	-4.41	182.76	3.15	0.50
-10	0	9	74.26	69.87	-69.79	-3.37	182.76	4.39	0.50
-8	0	9	73.20	73.36	73.31	2.63	2.06	-0.16	0.48
-6	0	9	25.08	22.66	-22.58	-1.93	184.88	2.42	0.67
-4	0	9	51.23	47.47	-47.44	-1.42	181.71	3.76	0.50
-2	0	9	44.67	47.44	47.43	0.83	1.00	-2.77	0.51
0	0	9	15.35	10.74	10.74	0.15	0.81	4.61	1.04
2	0	9	56.68	60.24	60.12	3.90	3.72	-3.57	0.53
4	0	9	76.86	78.91	78.88	2.22	1.61	-2.05	0.55
6	0	9	95.42	94.34	-94.31	-2.49	181.51	1.08	0.57
8	0	9	104.01	102.83	-102.77	-3.46	181.93	1.18	0.61
10	0	9	85.00	81.79	-81.66	-4.51	183.16	3.21	0.69
12	0	9	56.74	63.66	63.64	1.61	1.45	-6.93	0.86

10	2	7	63.78	63.97	63.82	4.32	3.87	-0.19	0.71
12	2	7	36.65	35.63	-35.55	-2.37	183.82	1.02	1.09
14	2	7	26.63	24.30	24.29	-0.44	358.97	2.33	1.52
16	2	7	48.16	51.17	-51.11	-2.46	182.76	-3.01	1.13
18	2	7	68.38	67.96	-67.81	-4.48	183.78	0.43	0.98
-21	3	7	50.48	49.02	-48.89	-3.62	184.23	1.46	1.04
-19	3	7	15.33	8.88	-8.87	0.31	177.97	6.45	2.32
-17	3	7	38.64	42.69	42.60	2.71	3.64	-4.05	1.04
-15	3	7	64.64	64.06	-63.98	-3.18	182.84	0.58	0.92
-13	3	7	52.92	53.55	53.51	2.30	2.46	-0.64	0.94
-11	3	7	132.02	134.99	134.77	7.70	3.27	-2.97	0.69
-9	3	7	80.91	82.55	-82.39	-5.01	183.48	-1.64	0.71
-7	3	7	109.29	106.86	-106.68	-6.27	183.36	2.43	0.63
-5	3	7	54.89	56.50	56.42	2.88	2.92	-1.60	0.79
-3	3	7	62.47	61.13	-61.04	-3.40	183.19	1.34	0.71
1	3	7	189.14	189.65	189.37	10.31	3.11	-0.51	0.63
3	3	7	69.90	70.19	-70.12	-3.30	182.70	-0.30	0.79
5	3	7	82.29	82.12	-81.92	-5.67	183.96	0.17	0.83
7	3	7	42.21	42.16	41.90	4.68	6.37	0.05	1.15
9	3	7	34.00	38.42	-38.31	-2.96	184.41	-4.42	1.44
11	3	7	42.75	43.27	-43.15	-3.21	184.26	-0.52	1.13
13	3	7	61.66	63.30	63.12	4.76	4.32	-1.63	1.06
-6	4	7	21.72	21.38	-21.32	1.67	175.52	0.33	1.67
-26	0	8	28.72	34.53	-34.27	-4.22	187.02	-5.81	1.63
-24	0	8	90.73	85.66	85.50	5.23	3.50	5.07	0.77
-22	0	8	54.81	53.50	53.50	0.42	0.45	1.31	0.85
-20	0	8	62.33	66.82	-66.74	-3.36	182.88	-4.49	0.71
-18	0	8	93.46	93.51	93.40	4.52	2.77	-0.06	0.61
-12	0	8	64.68	62.30	62.30	0.69	0.64	2.38	0.51
-10	0	8	84.48	80.46	-80.37	-3.94	182.81	4.02	0.46
-8	0	8	123.05	117.15	-117.07	-4.40	182.15	5.89	0.42
-6	0	8	104.51	108.13	108.07	3.43	1.82	-3.62	0.42
-4	0	8	191.42	197.05	196.95	6.40	1.86	-5.63	0.40
-2	0	8	107.70	113.77	113.73	2.82	1.42	-6.07	0.42
0	0	8	43.22	36.29	-36.28	-0.93	181.47	6.93	0.50
2	0	8	31.49	29.25	-29.14	-2.52	184.94	2.24	0.67
4	0	8	9.40	4.52	-3.67	-2.63	215.58	4.88	1.73
6	0	8	32.61	38.30	38.30	0.48	0.72	-5.69	0.83
8	0	8	48.06	49.97	49.91	2.58	2.96	-1.91	0.71
10	0	8	9.80	3.44	-3.43	-0.22	183.63	6.37	2.65
12	0	8	14.21	9.70	9.70	0.26	1.54	4.51	2.07
14	0	8	50.08	46.97	46.90	2.49	3.03	3.11	1.02
-27	1	8	32.16	30.31	30.15	3.17	6.01	1.85	1.55
-25	1	8	16.77	15.53	15.51	0.76	2.80	1.24	2.17
-23	1	8	74.33	73.54	73.45	3.64	2.84	0.79	0.79
-19	1	8	143.23	144.82	-144.57	-8.51	183.37	-1.59	0.61
-17	1	8	37.89	39.81	-39.81	0.14	179.79	-1.92	0.79
-15	1	8	108.25	108.18	108.10	4.23	2.24	0.07	0.53
-13	1	8	11.76	6.91	-6.88	-0.57	184.71	4.86	1.52
-11	1	8	141.43	139.77	139.72	3.80	1.56	1.65	0.46
-9	1	8	28.59	29.72	29.68	1.45	2.81	-1.13	0.71
-7	1	8	114.55	114.24	-114.15	-4.59	182.30	0.30	0.44
-5	1	8	53.59	54.84	54.82	1.44	1.50	-1.25	0.50
-3	1	8	31.71	36.00	35.97	1.53	2.44	-4.29	0.61
-1	1	8	127.24	127.37	-127.30	-4.40	181.98	-0.13	0.42
1	1	8	58.85	56.12	-56.10	-1.55	181.59	2.73	0.50
3	1	8	51.42	52.64	52.58	2.37	2.58	-1.22	0.55
5	1	8	76.54	78.85	78.78	3.27	2.38	-2.31	0.53
7	1	8	58.29	59.88	59.81	2.89	2.77	-1.59	0.65
9	1	8	9.76	9.15	-9.15	0.11	179.31	0.61	2.67

-24	0	10	43.34	42.62	42.53	2.89	3.88	0.72	1.11
-22	0	10	12.26	1.13	0.66	-0.91	306.11	11.13	2.67
-20	0	10	26.92	25.23	-25.07	-2.92	186.65	1.68	1.17
-18	0	10	20.05	16.54	16.32	2.64	9.19	3.51	1.36
-16	0	10	29.09	29.35	29.30	-1.73	356.61	-0.26	0.90
-14	0	10	117.65	114.71	-114.59	-5.30	182.65	2.94	0.53
-12	0	10	228.66	227.44	227.28	8.57	2.16	1.22	0.48
-10	0	10	170.30	172.89	172.75	6.92	2.29	-2.59	0.48
-8	0	10	117.92	116.29	-116.13	-6.21	183.06	1.63	0.48
-6	0	10	24.21	25.71	25.68	1.16	2.59	-1.50	0.79
-4	0	10	32.27	28.81	-28.80	-0.87	181.72	3.46	0.65
-2	0	10	198.92	194.56	-194.33	-9.35	182.75	4.37	0.46
0	0	10	158.62	161.79	161.61	7.55	2.68	-3.17	0.48
2	0	10	201.15	205.56	205.40	8.19	2.28	-4.41	0.50
4	0	10	165.83	163.39	-163.22	-7.33	182.57	2.44	0.53
6	0	10	69.07	71.37	71.31	2.99	2.40	-2.29	0.67
8	0	10	97.45	99.96	99.88	4.15	2.38	-2.51	0.65
10	0	10	150.90	151.13	-150.96	-7.20	182.73	-0.23	0.65
12	0	10	49.14	47.61	47.55	2.42	2.92	1.53	1.00
14	0	10	53.71	55.87	55.82	2.32	2.38	-2.17	1.06
16	0	10	62.49	60.59	-60.24	-6.54	186.20	1.90	1.08
-29	1	10	20.99	15.66	15.66	0.09	0.34	5.33	2.44
-27	1	10	89.51	95.13	-94.92	-6.21	183.75	-5.62	0.90
-25	1	10	13.64	16.21	-16.19	-0.81	182.87	-2.57	2.95
-23	1	10	54.03	49.11	49.08	1.64	1.91	4.93	0.88
-21	1	10	12.14	16.91	-16.91	0.14	179.53	-4.77	2.65
-19	1	10	130.33	132.18	132.03	6.30	2.73	-1.85	0.63
-15	1	10	117.25	119.1[illegible]	-119.52	-6.90	183.30	-2.47	0.55
-11	1	10	24.33	23.62	23.58	1.51	3.68	0.71	0.92
-9	1	10	51.13	48.06	-48.02	-2.03	182.43	3.07	0.57
-7	1	10	28.53	31.47	31.44	1.44	2.62	-2.94	0.77
-5	1	10	35.25	34.59	34.56	1.50	2.49	0.66	0.67
-3	1	10	30.35	26.35	-26.35	-0.21	180.45	4.00	0.71
-1	1	10	80.74	83.30	83.27	2.29	1.57	-2.56	0.51
1	1	10	49.25	51.74	51.70	1.99	2.21	-2.49	0.61
5	1	10	93.98	95.98	-95.81	-5.71	183.41	-2.01	0.59
7	1	10	23.18	25.37	-25.33	-1.44	183.26	-2.19	1.23
9	1	10	69.30	68.52	68.35	4.85	4.06	0.78	0.73
11	1	10	25.86	29.91	29.85	1.79	3.44	-4.05	1.38
15	1	10	44.48	47.32	47.29	1.89	2.29	-2.85	1.21
17	1	10	54.01	51.80	-51.50	-5.56	186.16	2.21	1.19
19	1	10	34.65	33.88	-33.82	-2.06	183.49	0.77	1.63
-26	2	10	24.90	32.64	-32.62	-1.18	182.06	-7.74	2.13
-24	2	10	28.65	27.71	27.60	2.50	5.17	0.93	1.65
-20	2	10	30.95	30.29	-30.15	-2.95	185.60	0.66	1.19
-14	2	10	95.84	94.86	-94.73	-5.05	183.05	0.97	0.59
-12	2	10	151.42	153.10	152.91	7.61	2.85	-1.68	0.53
-10	2	10	109.46	111.36	111.19	6.03	3.11	-1.90	0.53
-8	2	10	97.70	97.25	-97.07	-5.96	183.51	0.45	0.53
-4	2	10	33.29	33.03	-33.01	-1.18	182.05	0.26	0.81
-2	2	10	155.15	155.74	-155.49	-8.86	183.26	-0.60	0.50
0	2	10	103.78	104.75	104.54	6.60	3.61	-0.97	0.55
2	2	10	138.72	138.53	138.34	7.21	2.98	0.20	0.53
4	2	10	131.71	131.68	-131.50	-6.85	182.98	0.04	0.57
6	2	10	45.57	45.02	44.95	2.52	3.21	0.55	0.86
8	2	10	62.43	64.19	64.10	3.53	3.15	-1.76	0.81
10	2	10	120.74	123.76	-123.57	-6.80	183.15	-3.02	0.71
12	2	10	32.73	28.54	28.47	1.95	3.92	4.20	1.34
14	2	10	43.15	38.01	37.96	1.92	2.90	5.14	1.17
16	2	10	59.84	55.56	-55.22	-6.08	186.28	4.29	1.13

14	0	9	72.25	74.79	74.58	5.62	4.31	-2.53	0.85
16	0	9	20.49	21.93	-21.93	-0.17	180.45	-1.44	2.30
-29	1	9	36.72	33.09	33.04	1.84	3.19	3.63	1.55
-23	1	9	43.28	44.02	43.94	2.69	3.51	-0.74	1.00
-21	1	9	14.43	13.18	12.97	-2.37	349.65	1.25	1.99
-19	1	9	22.58	20.96	20.89	1.72	4.70	1.63	1.36
-17	1	9	61.49	63.32	63.22	3.52	3.19	-1.83	0.67
-15	1	9	99.45	97.73	-97.52	-6.48	183.80	1.71	0.55
-13	1	9	29.56	25.71	-25.65	-1.77	183.95	3.85	0.83
-11	1	9	20.90	18.18	-18.07	1.99	173.71	2.71	0.96
-9	1	9	22.68	22.59	-22.42	-2.77	187.05	0.09	0.86
-7	1	9	138.20	141.07	140.85	7.92	3.22	-2.87	0.44
-5	1	9	196.45	196.92	196.83	6.17	1.80	-0.47	0.42
-3	1	9	285.77	285.74	-285.58	-9.59	181.92	0.03	0.42
-1	1	9	39.74	37.76	-37.73	-1.34	182.04	1.98	0.61
1	1	9	94.06	98.20	98.18	2.00	1.17	-4.15	0.50
3	1	9	72.33	73.89	-73.70	-5.25	184.08	-1.56	0.55
5	1	9	59.71	59.31	59.08	5.22	5.05	0.40	0.61
7	1	9	80.41	79.86	79.72	4.75	3.41	0.55	0.61
9	1	9	64.95	62.61	-62.33	-5.93	185.43	2.34	0.71
11	1	9	46.16	45.64	45.58	2.39	3.00	0.52	0.88
13	1	9	81.37	80.18	80.06	4.30	3.07	1.19	0.77
15	1	9	72.20	70.37	-70.20	-4.92	184.01	1.83	0.88
17	1	9	19.36	16.84	-16.76	-1.55	185.29	2.52	2.44
-26	2	9	45.05	44.74	44.63	3.16	4.05	0.31	1.28
-24	2	9	67.67	67.49	-67.31	-4.88	184.15	0.18	0.92
-22	2	9	72.03	70.68	-70.49	-5.24	184.25	1.35	0.83
-20	2	9	20.78	18.07	17.88	2.65	8.43	2.71	1.57
-18	2	9	53.07	55.84	55.83	0.95	0.98	-2.77	0.79
-14	2	9	69.42	69.32	69.17	4.61	3.82	0.10	0.63
-12	2	9	65.77	65.26	-65.14	-3.91	183.44	0.51	0.59
-10	2	9	48.18	48.33	-48.23	-3.05	183.62	-0.15	0.65
-8	2	9	53.82	53.62	53.57	2.34	2.51	0.19	0.59
-6	2	9	18.38	17.39	-17.30	-1.76	185.80	0.99	1.17
-4	2	9	25.73	28.68	-28.65	-1.25	182.51	-2.95	1.02
-2	2	9	32.33	32.01	32.00	0.84	1.50	0.32	0.81
0	2	9	11.22	9.29	9.28	0.28	1.73	1.94	2.01
2	2	9	50.38	51.75	51.62	3.65	4.05	-1.37	0.67
4	2	9	56.25	55.54	55.50	2.07	2.14	0.72	0.69
6	2	9	59.86	63.54	-63.50	-2.24	182.02	-3.68	0.69
8	2	9	72.55	73.92	-73.85	-3.15	182.44	-1.37	0.71
10	2	9	59.10	59.92	-59.78	-4.05	183.88	-0.82	0.83
12	2	9	49.79	51.06	51.03	1.56	1.75	-1.27	1.02
14	2	9	65.95	64.12	63.90	5.25	4.69	1.83	0.94
-17	3	9	36.55	35.29	35.18	2.74	4.45	1.26	1.09
-15	3	9	65.46	65.31	-65.07	-5.59	184.91	0.15	0.73
-13	3	9	24.77	22.61	-22.55	-1.64	184.17	2.16	1.42
-11	3	9	10.21	2.68	-2.15	1.60	143.23	7.53	3.03
-9	3	9	26.90	23.20	-23.09	-2.29	185.66	3.70	1.34
-7	3	9	81.72	83.73	83.48	6.56	4.49	-2.01	0.77
-5	3	9	95.36	96.38	96.25	5.07	3.01	-1.02	0.73
-3	3	9	153.84	153.96	-153.75	-8.07	183.00	-0.12	0.67
-1	3	9	24.33	26.51	-26.48	-1.37	182.97	-2.18	1.52
1	3	9	42.55	44.45	44.43	1.45	1.87	-1.90	1.02
3	3	9	51.39	51.26	-51.06	-4.49	185.02	0.13	0.96
5	3	9	37.12	38.11	37.87	4.25	6.40	-0.99	1.23
7	3	9	47.97	48.74	48.58	4.02	4.73	-0.77	0.94
9	3	9	45.92	42.36	-42.08	-4.86	186.59	3.56	1.02
11	3	9	34.00	26.58	26.51	1.91	4.12	7.41	1.34
-26	0	10	26.86	34.98	-34.96	-1.17	181.91	-8.12	1.67

-10	2	11	116.71	115.26	115.14	5.31	2.64	1.45	0.55
-8	2	11	58.42	59.40	-59.36	-2.22	182.14	-0.98	0.63
-6	2	11	9.17	2.41	-2.10	-1.18	209.33	6.76	2.50
-4	2	11	67.88	65.89	65.74	4.43	3.85	1.99	0.61
-2	2	11	46.22	46.46	-46.44	-1.32	181.63	-0.24	0.75
0	2	11	86.95	89.37	-89.27	-4.23	182.72	-2.42	0.59
4	2	11	12.30	22.28	22.28	-0.32	359.18	-9.98	2.69
6	2	11	34.67	33.11	33.06	1.74	3.01	1.56	1.04
8	2	11	81.66	82.92	82.79	4.59	3.17	-1.26	0.77
12	2	11	37.89	33.79	-33.58	-3.77	186.40	4.10	1.28
14	2	11	53.26	56.37	-56.25	-3.65	183.71	-3.10	1.23
-17	3	11	28.89	29.92	29.67	3.85	7.40	-1.02	1.40
-15	3	11	23.72	25.53	25.52	0.68	1.52	-1.81	1.59
-11	3	11	14.01	10.64	10.43	2.10	11.39	3.37	2.50
-9	3	11	43.30	41.62	-41.36	-4.57	186.30	1.69	1.00
-7	3	11	41.37	38.22	-37.86	-5.26	187.90	3.15	1.00
-5	3	11	21.70	20.45	20.34	2.08	5.84	1.25	1.52
-3	3	11	37.07	38.71	38.54	3.58	5.30	-1.64	1.13
-1	3	11	15.49	11.65	11.62	0.94	4.60	3.83	2.24
1	3	11	26.23	27.13	27.07	1.78	3.77	-0.90	1.30
3	3	11	13.64	14.48	-14.46	-0.77	183.03	-0.84	2.54
5	3	11	41.37	41.31	-41.15	-3.64	185.06	0.05	1.06
-26	0	12	20.55	18.84	-18.69	-2.37	187.21	1.71	2.19
-24	0	12	40.35	32.76	32.70	1.95	3.41	7.59	1.19
-20	0	12	13.34	11.42	11.19	-2.27	348.55	1.92	2.22
-18	0	12	116.71	110.48	110.35	5.40	2.80	6.23	0.63
-16	0	12	56.62	55.89	55.84	2.39	2.46	0.73	0.71
-14	0	12	124.39	124.95	-124.86	-4.77	182.19	-0.56	0.57
-12	0	12	18.00	15.11	-15.11	-0.22	180.82	2.88	1.17
-10	0	12	49.73	48.14	-48.00	-3.66	184.36	1.59	0.67
-8	0	12	35.70	31.14	-31.10	-1.48	182.72	4.57	0.75
-6	0	12	220.63	221.01	220.79	9.89	2.57	-0.38	0.50
-4	0	12	21.68	24.58	24.51	1.84	4.30	-2.89	1.04
-2	0	12	28.78	37.01	36.85	-3.46	354.63	-8.23	0.94
0	0	12	18.32	11.11	10.92	2.05	10.62	7.21	1.15
2	0	12	87.97	85.52	-85.43	-4.04	182.71	2.45	0.59
4	0	12	34.86	34.73	-34.65	-2.37	183.91	0.14	0.92
6	0	12	140.35	142.19	142.06	5.98	2.41	-1.84	0.63
8	0	12	21.87	21.80	-21.74	-1.50	183.94	0.08	1.63
12	0	12	64.24	56.91	56.68	5.17	5.21	7.33	0.94
-27	1	12	60.54	59.06	58.80	5.54	5.38	1.47	1.09
-25	1	12	12.62	10.23	10.03	2.05	11.54	2.39	3.45
-23	1	12	86.97	87.65	-87.50	-5.09	183.33	-0.68	0.83
-19	1	12	18.05	19.31	-19.23	-1.76	185.22	-1.26	1.71
-17	1	12	9.39	6.87	6.64	-1.76	345.16	2.52	2.69
-15	1	12	90.64	90.21	89.99	6.39	4.06	0.43	0.61
-13	1	12	36.65	32.42	32.38	1.78	3.14	4.22	0.81
-11	1	12	69.86	68.78	-68.67	-3.83	183.19	1.08	0.59
-9	1	12	59.21	59.21	59.15	2.61	2.53	0.00	0.59
-5	1	12	41.12	42.49	42.39	-2.89	183.90	-1.37	0.69
-3	1	12	37.32	38.32	38.31	0.63	0.94	-1.00	0.73
-1	1	12	83.31	85.15	-85.11	-2.61	181.76	-1.84	0.59
3	1	12	38.60	36.56	36.18	5.25	8.25	2.05	0.83
5	1	12	36.57	32.97	32.86	2.62	4.55	3.60	0.92
7	1	12	29.54	30.18	30.18	-0.17	359.67	-0.63	1.13
9	1	12	32.98	36.99	-36.87	-2.96	184.60	-4.01	1.30
11	1	12	54.03	52.67	-52.49	-4.39	184.78	1.36	0.98
15	1	12	35.09	35.45	35.37	2.33	3.76	-0.36	1.61
-24	2	12	24.90	21.16	21.10	1.63	4.41	3.74	1.79
-18	2	12	75.96	77.57	77.42	4.74	3.51	-1.60	0.75

-19	3	10	79.85	82.62	82.45	5.27	3.66	-2.77	0.81
-15	3	10	76.58	76.26	-76.05	-5.75	184.33	0.31	0.71
-13	3	10	14.60	5.44	-5.39	-0.74	187.87	9.16	2.38
-11	3	10	17.56	10.32	10.26	1.07	5.97	7.24	1.99
-9	3	10	30.47	28.26	-28.21	-1.77	183.60	2.21	1.26
-7	3	10	14.56	13.69	13.64	1.15	4.81	0.87	2.21
-5	3	10	22.54	22.32	22.28	1.34	3.44	0.22	1.52
-3	3	10	21.39	16.11	-16.11	-0.09	180.33	5.28	1.55
-1	3	10	43.50	45.69	45.65	1.83	2.30	-2.19	1.02
1	3	10	24.58	26.20	26.16	1.55	3.39	-1.62	1.50
3	3	10	13.58	9.79	-9.62	-1.80	190.60	3.80	2.61
5	3	10	61.29	61.21	-61.02	-4.90	184.59	0.07	0.79
7	3	10	15.56	17.66	-17.62	-1.21	183.94	-2.10	2.55
9	3	10	47.79	46.36	46.18	4.05	5.01	1.44	1.00
-26	0	11	13.20	10.16	10.10	-1.01	354.27	3.04	3.34
-24	0	11	35.59	37.77	37.61	3.46	5.26	-2.18	1.30
-22	0	11	122.01	116.62	116.43	6.58	3.23	5.39	0.69
-20	0	11	87.97	86.44	-86.33	-4.29	182.85	1.53	0.69
-18	0	11	71.20	69.70	-69.51	-5.15	184.24	1.50	0.67
-16	0	11	45.92	47.61	47.58	1.61	1.94	-1.69	0.79
-14	0	11	94.38	94.23	-94.19	-2.72	181.65	0.15	0.57
-10	0	11	159.10	159.07	158.96	5.72	2.06	0.03	0.50
-8	0	11	95.14	94.57	-94.53	-2.62	181.59	0.57	0.51
-4	0	11	80.99	84.54	84.40	4.82	3.27	-3.55	0.51
-2	0	11	72.43	68.72	-68.70	-1.46	181.22	3.71	0.55
0	0	11	129.51	127.27	-127.18	-4.64	182.09	2.25	0.51
2	0	11	25.48	15.93	-15.88	-1.21	184.36	9.55	0.96
4	0	11	24.96	28.93	28.93	-0.47	359.07	-3.97	1.08
6	0	11	34.21	37.10	37.06	1.77	2.73	-2.89	0.98
8	0	11	98.35	101.76	101.64	4.88	2.75	-3.41	0.69
12	0	11	50.42	45.35	-45.15	-4.19	185.31	5.07	1.04
14	0	11	75.88	73.07	-72.96	-4.07	183.19	2.81	0.92
-29	1	11	34.92	36.89	36.74	3.25	5.06	-1.97	1.73
-27	1	11	80.53	86.53	-86.32	-6.00	183.97	-6.01	0.94
-23	1	11	90.30	94.79	94.69	4.34	2.62	-4.49	0.77
-21	1	11	114.31	115.71	-115.62	-4.65	182.30	-1.40	0.69
-17	1	11	45.13	45.02	44.79	4.53	5.77	0.11	0.81
-15	1	11	47.37	48.03	48.02	0.81	0.96	-0.66	0.71
-13	1	11	11.44	13.02	12.91	1.72	7.58	-1.58	1.96
-11	1	11	15.62	15.65	15.43	2.65	9.74	-0.03	1.36
-9	1	11	57.41	54.22	-53.97	-5.21	185.51	3.18	0.55
-7	1	11	45.26	42.18	-41.74	-6.08	188.29	3.08	0.61
-5	1	11	29.64	33.77	33.67	2.57	4.37	-4.13	0.81
-3	1	11	61.76	64.45	64.30	4.40	3.91	-2.69	0.57
-1	1	11	20.53	22.94	22.91	1.09	2.74	-2.41	1.09
1	1	11	45.66	48.67	48.62	2.06	2.42	-3.00	0.69
3	1	11	19.70	18.84	-18.82	-0.79	182.40	0.86	1.26
5	1	11	61.98	59.04	-58.89	-4.21	184.09	2.93	0.67
7	1	11	26.15	29.63	29.60	1.20	2.32	-3.48	1.23
9	1	11	24.00	21.38	21.34	1.37	3.67	2.62	1.38
11	1	11	69.90	71.79	-71.72	-3.27	182.61	-1.90	0.83
13	1	11	11.26	5.93	-5.87	0.81	172.17	5.34	3.42
15	1	11	48.35	47.74	47.68	2.49	2.99	0.60	1.23
-24	2	11	33.75	35.22	35.07	3.31	5.39	-1.47	1.42
-22	2	11	97.05	96.68	96.49	6.10	3.62	0.36	0.79
-20	2	11	61.86	62.96	-62.84	-3.80	183.46	-1.10	0.85
-18	2	11	51.44	51.71	-51.50	-4.64	185.15	-0.27	0.86
-16	2	11	36.47	37.77	37.74	1.46	2.21	-1.30	1.00
-14	2	11	67.27	66.20	-66.16	-2.44	182.11	1.07	0.65
-12	2	11	11.26	0.90	-0.73	0.53	144.26	10.36	2.30

-14	2	13	23.70	23.42	-23.32	-2.06	185.05	0.28	1.42
-12	2	13	38.45	38.45	38.43	1.24	1.85	0.00	0.92
-10	2	13	51.84	52.33	-52.29	-2.23	182.44	-0.49	0.77
-8	2	13	34.71	37.41	-37.40	-0.93	181.42	-2.70	0.98
-6	2	13	28.85	30.54	30.52	0.87	1.64	-1.68	1.13
-2	2	13	20.82	17.52	17.51	0.66	2.17	3.30	1.42
0	2	13	45.70	45.22	45.08	3.48	4.41	0.48	0.88
2	2	13	32.43	29.98	29.86	2.67	5.12	2.44	1.06
6	2	13	89.66	91.12	-90.98	-5.11	183.21	-1.47	0.75
8	2	13	27.24	30.04	-30.02	-1.12	182.13	-2.80	1.57
10	2	13	15.21	17.70	17.67	1.10	3.57	-2.49	2.93
-17	3	13	42.16	41.90	41.87	1.64	2.24	0.26	1.15
-15	3	13	70.44	68.08	-67.82	-5.92	184.99	2.36	0.79
-13	3	13	26.13	25.25	-25.11	-2.65	186.02	0.88	1.54
-11	3	13	79.57	78.88	78.56	7.05	5.13	0.69	0.69
-9	3	13	10.08	1.02	0.73	0.71	44.08	9.05	3.03
-7	3	13	22.77	21.76	-21.76	-0.43	181.14	1.01	1.54
-5	3	13	60.99	60.57	60.42	4.33	4.10	0.42	0.79
-3	3	13	83.65	83.08	-82.80	-6.76	184.67	0.57	0.71
-1	3	13	63.66	64.25	-64.05	-5.01	184.47	-0.58	0.85
1	3	13	91.66	88.15	87.85	7.30	4.75	3.51	0.75
-24	0	14	66.94	67.56	67.41	4.57	3.88	-0.62	0.96
-20	0	14	91.50	90.67	-90.48	-5.90	183.73	0.83	0.75
-18	0	14	30.62	30.73	30.72	0.71	1.33	-0.11	1.19
-16	0	14	28.66	28.86	28.82	1.59	3.15	-0.20	1.13
-14	0	14	14.76	15.50	-15.48	-0.79	182.92	-0.75	1.84
-12	0	14	158.16	161.27	161.16	5.97	2.12	-3.12	0.57
-10	0	14	97.82	97.96	97.87	4.34	2.54	-0.15	0.59
-8	0	14	124.83	120.07	-119.90	-6.47	183.09	4.76	0.57
-6	0	14	85.50	83.14	-83.02	-4.48	183.09	2.36	0.61
-4	0	14	75.42	75.88	75.83	2.69	2.04	-0.46	0.63
-2	0	14	27.55	32.61	-32.61	-0.22	180.38	-5.06	1.08
0	0	14	57.27	60.05	60.03	1.58	1.50	-2.78	0.77
2	0	14	61.98	60.41	60.19	5.12	4.86	1.57	0.73
4	0	14	15.00	11.36	-11.10	-2.38	192.08	3.65	2.15
6	0	14	42.77	39.88	-39.81	-2.37	183.41	2.89	1.04
8	0	14	52.76	46.89	46.71	4.15	5.08	5.87	1.02
-27	1	14	18.09	15.69	-15.36	-3.20	191.76	2.40	2.78
-25	1	14	31.12	32.66	-32.55	-2.64	184.63	-1.54	1.55
-23	1	14	85.99	81.16	80.91	6.44	4.55	4.83	0.85
-21	1	14	76.21	74.66	74.57	3.80	2.92	1.55	0.83
-19	1	14	74.20	77.39	-77.32	-3.44	182.55	-3.20	0.79
-15	1	14	14.25	14.90	-14.82	-1.59	186.13	-0.65	1.94
-13	1	14	66.98	66.94	-66.78	-4.56	183.91	0.05	0.69
-11	1	14	56.03	53.07	52.93	3.88	4.19	2.95	0.71
-9	1	14	14.52	15.93	15.88	1.35	4.86	-1.41	1.73
-7	1	14	43.90	41.56	-41.35	-4.11	185.67	2.34	0.77
-5	1	14	12.12	11.05	10.53	3.34	17.59	1.07	2.15
-3	1	14	102.50	103.68	103.59	4.22	2.34	-1.18	0.61
-1	1	14	56.18	56.40	56.37	-1.88	181.91	-0.22	0.73
1	1	14	33.32	33.71	33.69	-1.17	358.00	-0.38	0.94
3	1	14	31.58	31.52	-31.45	-2.05	183.72	0.07	1.13
5	1	14	62.03	61.49	-61.39	-3.56	183.32	0.54	0.85
7	1	14	24.83	20.01	19.96	1.40	4.02	4.81	1.61
9	1	14	102.52	105.26	105.11	5.77	3.14	-2.75	0.81
11	1	14	11.97	6.61	6.43	1.50	13.15	5.37	3.86
13	1	14	52.51	51.43	-51.33	-3.05	183.40	1.09	1.24
-24	2	14	47.74	49.41	49.25	3.98	4.62	-1.67	1.13
-22	2	14	14.33	4.60	-4.56	0.57	172.89	9.73	2.80
-20	2	14	80.66	81.32	-81.13	-5.62	183.96	-0.66	0.81

-16	2	12	34.05	32.44	32.39	1.94	3.42	1.61	0.98
-14	2	12	103.61	102.82	-102.72	-4.64	182.59	0.79	0.61
-12	2	12	19.88	22.32	-22.31	-0.51	181.32	-2.44	1.42
-10	2	12	50.42	48.55	-48.42	-3.61	184.26	1.87	0.69
-8	2	12	35.82	35.23	-35.19	-1.60	182.60	0.59	0.88
-6	2	12	157.73	154.36	154.11	8.79	3.26	3.37	0.53
-2	2	12	10.25	9.33	8.69	-3.41	338.60	0.91	2.59
2	2	12	73.18	74.32	-74.21	-3.95	183.05	-1.14	0.69
4	2	12	36.80	36.72	-36.63	-2.46	183.83	0.08	1.02
6	2	12	99.10	99.42	99.29	5.21	3.00	-0.32	0.69
8	2	12	22.89	22.44	-22.39	-1.49	183.80	0.45	1.59
10	2	12	11.69	14.89	-14.73	-2.20	188.51	-3.21	3.55
12	2	12	45.57	42.96	42.71	4.60	6.14	2.61	1.23
-15	3	12	53.99	56.64	56.40	5.30	5.37	-2.65	0.90
-13	3	12	24.19	22.12	22.07	1.56	4.04	2.07	1.42
-11	3	12	46.89	43.13	-43.02	-3.07	184.08	3.77	0.86
-9	3	12	34.92	35.85	35.79	2.10	3.35	-0.93	1.02
-7	3	12	14.16	0.79	0.78	0.01	0.99	13.38	1.92
-5	3	12	29.93	28.55	-28.44	-2.55	185.12	1.38	1.11
-3	3	12	13.62	18.39	18.38	0.36	1.12	-4.76	2.52
-1	3	12	49.85	49.93	-49.88	-2.17	182.49	-0.08	0.88
3	3	12	19.46	25.66	25.27	4.42	9.92	-6.20	2.05
5	3	12	19.19	23.33	23.23	2.22	5.45	-4.14	2.19
-24	0	13	27.93	25.71	-25.69	-1.19	182.65	2.22	1.61
-22	0	13	103.78	105.92	-105.85	-3.89	182.11	-2.14	0.75
-20	0	13	57.69	56.97	56.93	2.05	2.06	0.72	0.85
-18	0	13	82.21	80.69	80.40	6.91	4.91	1.52	0.71
-16	0	13	11.57	12.15	-12.06	-1.42	186.71	-0.58	2.32
-14	0	13	35.31	33.89	-33.81	-2.38	184.03	1.42	0.94
-12	0	13	46.01	50.01	49.99	1.33	1.52	-4.00	0.73
-10	0	13	77.19	74.99	-74.95	-2.49	181.90	2.20	0.59
-8	0	13	56.20	56.10	-56.09	-1.02	181.05	0.09	0.63
-6	0	13	39.54	39.04	39.03	0.91	1.34	0.50	0.75
-2	0	13	16.65	17.62	17.62	0.58	1.89	-0.97	1.42
0	0	13	51.46	52.31	52.19	3.68	4.03	-0.86	0.71
2	0	13	31.37	31.93	31.80	2.82	5.07	-0.56	0.98
6	0	13	119.61	120.63	-120.50	-5.65	182.68	-1.02	0.67
8	0	13	43.36	42.83	-42.81	-1.30	181.74	0.53	1.08
10	0	13	11.30	18.12	18.08	1.13	3.57	-6.82	3.58
-23	1	13	48.41	46.71	46.66	2.31	2.83	1.69	1.06
-21	1	13	34.02	38.92	-38.89	-1.47	182.17	-4.90	1.23
-17	1	13	71.89	72.09	72.06	2.16	1.72	-0.20	0.71
-15	1	13	99.02	98.96	-98.72	-6.93	184.02	0.06	0.63
-13	1	13	43.32	37.26	-37.13	-3.15	184.85	6.06	0.81
-11	1	13	128.99	127.38	127.09	8.46	3.81	1.61	0.57
-7	1	13	34.11	35.97	-35.97	-0.55	180.88	-1.86	0.83
-5	1	13	102.94	103.24	103.10	5.34	2.97	-0.30	0.57
-3	1	13	128.93	125.81	-125.56	-7.94	183.62	3.12	0.57
-1	1	13	98.39	96.20	-96.02	-5.84	183.48	2.19	0.61
1	1	13	144.50	143.75	143.47	8.99	3.58	0.74	0.59
3	1	13	20.88	18.89	-18.82	-1.61	184.88	1.98	1.48
5	1	13	59.06	58.43	-58.33	-3.43	183.36	0.63	0.77
7	1	13	140.54	143.17	142.97	7.45	2.98	-2.63	0.69
9	1	13	58.79	61.76	-61.72	-2.38	182.21	-2.97	0.92
11	1	13	20.92	22.86	-22.68	-2.91	187.31	-1.95	2.15
13	1	13	85.11	90.17	89.99	5.70	3.63	-5.06	0.94
-24	2	13	26.02	18.15	-18.11	-1.06	183.36	7.87	1.82
-22	2	13	80.14	80.25	-80.18	-3.46	182.47	-0.11	0.86
-20	2	13	49.69	48.03	47.99	1.97	2.35	1.66	0.98
-18	2	13	69.73	68.94	68.64	6.41	5.34	0.78	0.77

-22	0	16	24.25	27.48	27.46	1.26	2.62	-3.23	1.81
-20	0	16	17.02	6.67	6.67	0.07	0.57	10.35	2.28
-18	0	16	68.63	65.86	65.73	4.11	3.58	2.77	0.85
-16	0	16	18.52	18.09	18.09	0.50	1.59	0.42	1.86
-14	0	16	120.03	120.30	-120.04	-8.00	183.82	-0.28	0.65
-10	0	16	67.57	71.74	71.64	3.74	2.99	-4.16	0.73
-8	0	16	18.69	16.76	-16.69	-1.54	185.25	1.92	1.69
-6	0	16	74.10	74.00	73.71	6.48	5.02	0.10	0.71
-4	0	16	97.66	98.79	98.74	3.18	1.85	-1.13	0.69
-2	0	16	171.80	170.17	-169.91	-9.36	183.15	1.63	0.65
0	0	16	61.57	63.38	63.35	1.69	1.53	-1.80	0.86
2	0	16	87.90	91.01	90.92	4.08	2.57	-3.11	0.79
4	0	16	82.10	78.40	-78.17	-6.03	184.41	3.70	0.83
-25	1	16	13.13	15.11	15.11	0.36	1.35	-1.98	3.66
-23	1	16	39.16	40.93	-40.75	-3.82	185.36	-1.77	1.34
-21	1	16	78.02	78.32	-78.20	-4.34	183.17	-0.30	0.86
-19	1	16	42.67	38.47	38.31	3.60	5.37	4.20	1.09
-17	1	16	71.93	73.97	73.93	2.55	1.97	-2.04	0.79
-15	1	16	14.23	19.39	-19.37	-0.94	182.78	-5.16	2.15
-13	1	16	45.70	47.91	47.86	2.18	2.61	-2.21	0.88
-11	1	16	23.68	28.82	-28.81	-0.60	181.19	-5.14	1.42
-7	1	16	45.49	45.20	45.17	1.59	2.01	0.30	0.90
-5	1	16	54.83	53.67	-53.62	-2.27	182.42	1.17	0.81
-3	1	16	80.30	82.84	-82.78	-2.99	182.07	-2.54	0.75
-1	1	16	69.80	68.31	68.31	1.09	0.92	1.49	0.79
1	1	16	39.10	34.90	34.79	2.88	4.73	4.19	1.09
3	1	16	52.84	46.83	46.67	3.85	4.71	6.01	0.96
5	1	16	20.93	25.18	-25.18	-0.50	181.13	-4.25	2.11
7	1	16	49.54	48.60	-48.47	-3.55	184.19	0.94	1.09
9	1	16	20.37	18.69	-18.64	-1.29	183.94	1.69	2.54
-18	2	16	49.16	47.13	47.00	3.59	4.36	2.02	1.09
-16	2	16	10.55	6.69	6.69	0.23	1.95	3.86	3.45
-14	2	16	105.47	104.95	-104.68	-7.54	184.12	0.52	0.73
-12	2	16	17.19	16.05	-16.05	-0.37	181.32	1.14	1.97
-10	2	16	50.21	47.67	47.57	3.22	3.87	2.54	0.92
-8	2	16	22.87	19.53	-19.47	-1.54	184.53	3.34	1.61
-6	2	16	57.94	52.90	52.58	5.77	6.26	5.04	0.85
-4	2	16	73.02	68.69	68.63	2.73	2.28	4.34	0.81
-2	2	16	144.07	141.69	-141.43	-8.71	183.52	2.38	0.69
0	2	16	42.65	42.03	42.01	1.30	1.78	0.62	1.09
2	2	16	65.31	65.98	65.88	3.49	3.03	-0.66	0.90
4	2	16	70.91	70.67	-70.44	-5.66	184.59	0.25	0.94
-20	0	17	21.95	7.04	-7.04	-0.21	181.71	14.91	1.77
-14	0	17	75.98	75.36	-75.21	-4.85	183.69	0.62	0.77
-10	0	17	75.38	75.39	75.30	3.63	2.76	-0.01	0.75
-8	0	17	58.69	57.23	-57.09	-4.03	184.04	1.46	0.85
-6	0	17	53.20	52.67	-52.62	-2.36	182.57	0.53	0.90
-4	0	17	57.52	54.23	54.07	4.08	4.32	3.30	0.86
-2	0	17	31.79	26.36	26.32	1.48	3.22	5.43	1.32
0	0	17	21.63	20.55	20.54	0.82	2.30	1.07	1.81
2	0	17	25.63	6.42	6.31	1.16	10.38	19.21	1.67
-23	1	17	80.68	81.31	81.13	5.46	3.85	-0.63	0.92
-21	1	17	20.82	23.12	-23.01	-2.15	185.34	-2.30	2.21
-19	1	17	32.14	30.56	-30.41	-2.98	185.60	1.58	1.32
-15	1	17	41.31	41.66	-41.52	-3.42	184.71	-0.35	1.06
-13	1	17	24.75	26.07	-26.06	-0.77	181.69	-1.32	1.50
-11	1	17	154.07	158.80	158.59	8.12	2.93	-4.73	0.65
-9	1	17	31.45	33.84	33.76	2.39	4.05	-2.40	1.26
-7	1	17	90.66	88.30	-88.14	-5.40	183.50	2.36	0.75
-5	1	17	26.67	29.54	-29.54	-0.30	180.58	-2.87	1.42

-18	2	14	17.23	16.89	16.89	0.45	1.54	0.34	2.05
-16	2	14	15.67	14.31	14.25	1.30	5.20	1.36	2.11
-14	2	14	16.96	17.28	-17.25	-0.89	182.94	-0.32	1.92
-12	2	14	110.71	111.52	111.39	5.27	2.71	-0.81	0.65
-10	2	14	70.05	66.84	66.73	3.75	3.22	3.22	0.73
-8	2	14	102.40	102.43	-102.24	-6.19	183.46	-0.03	0.65
-6	2	14	73.02	72.66	-72.53	-4.35	183.43	0.37	0.69
-4	2	14	48.47	46.74	46.69	2.18	2.68	1.72	0.88
-2	2	14	30.14	32.56	-32.55	-0.45	180.79	-2.41	1.11
0	2	14	38.01	37.57	37.54	1.29	1.97	0.45	1.02
2	2	14	44.07	41.51	41.26	4.53	6.26	2.56	0.96
4	2	14	20.19	16.69	-16.53	-2.33	188.04	3.49	1.77
6	2	14	41.00	39.62	-39.55	-2.32	183.35	1.38	1.15
8	2	14	39.60	32.80	32.60	3.57	6.25	6.80	1.19
-13	3	14	45.88	46.40	-46.23	-3.91	184.83	-0.52	1.00
-11	3	14	34.77	34.15	34.01	3.09	5.19	0.61	1.23
-7	3	14	29.68	27.33	-27.13	-3.31	186.95	2.35	1.32
-3	3	14	60.76	63.78	63.68	3.53	3.17	-3.02	0.90
-1	3	14	34.56	35.07	-35.03	-1.63	182.66	-0.51	1.32
-22	0	15	12.20	22.69	22.69	0.00	0.00	-10.49	3.53
-18	0	15	113.37	114.57	-114.39	-6.43	183.22	-1.20	0.69
-14	0	15	120.24	123.58	123.48	4.92	2.28	-3.34	0.63
-12	0	15	78.26	79.77	-79.70	-3.28	182.36	-1.50	0.67
-10	0	15	9.21	18.96	18.94	0.87	2.62	-9.75	3.03
-8	0	15	25.73	22.61	22.35	3.47	8.83	3.12	1.17
-6	0	15	28.05	26.25	-26.14	-2.44	185.33	1.80	1.13
-4	0	15	19.98	15.00	14.96	1.10	4.21	4.98	1.38
-2	0	15	20.26	15.20	-15.20	-0.13	180.49	5.06	1.54
0	0	15	116.20	112.24	-112.06	-6.35	183.24	3.95	0.65
2	0	15	11.84	7.16	7.16	0.04	0.36	4.68	2.91
4	0	15	47.55	45.16	44.96	4.16	5.28	2.39	1.00
6	0	15	32.04	31.76	31.70	2.03	3.66	0.28	1.32
8	0	15	26.90	32.21	32.16	1.84	3.28	-5.31	1.79
-25	1	15	28.01	28.56	-28.42	-2.78	185.58	-0.55	1.84
-23	1	15	52.90	58.26	58.19	2.95	2.91	-5.36	1.11
-21	1	15	30.56	31.08	-30.98	-2.59	184.77	-0.52	1.40
-19	1	15	56.20	55.23	-55.20	-1.74	181.81	0.96	0.86
-17	1	15	102.07	103.44	103.23	6.53	3.62	-1.36	0.69
-9	1	15	109.11	107.57	-107.38	-6.46	183.45	1.54	0.63
-7	1	15	15.92	17.73	17.73	-0.06	359.82	-1.81	1.73
-5	1	15	100.73	100.79	100.62	5.85	3.33	-0.06	0.65
-3	1	15	10.57	19.22	19.22	0.40	1.18	-8.65	3.09
-1	1	15	33.02	36.19	36.16	1.43	2.26	-3.17	1.04
1	1	15	11.34	4.51	-4.50	0.36	175.45	6.83	2.57
3	1	15	63.41	63.72	-63.58	-4.15	183.73	-0.31	0.81
7	1	15	15.49	21.11	21.06	1.42	3.86	-5.62	2.82
9	1	15	42.57	42.25	-42.11	-3.40	184.61	0.33	1.30
-22	2	15	19.88	20.97	20.97	0.11	0.29	-1.09	2.30
-18	2	15	87.82	87.64	-87.45	-5.80	183.80	0.18	0.77
-14	2	15	96.58	98.63	98.52	4.54	2.64	-2.04	0.71
-12	2	15	54.68	56.45	-56.38	-2.83	182.87	-1.77	0.86
-10	2	15	19.07	18.38	18.36	0.94	2.93	0.69	1.67
-8	2	15	26.38	24.31	24.08	3.28	7.75	2.08	1.32
-6	2	15	10.88	18.65	-18.53	-2.13	186.56	-7.78	2.90
-4	2	15	17.56	14.52	14.48	1.03	4.06	3.04	1.92
0	2	15	85.02	85.04	-84.84	-5.71	183.85	-0.02	0.75
4	2	15	45.95	41.47	41.28	3.93	5.43	4.48	1.04
6	2	15	33.02	30.05	29.98	1.99	3.79	2.97	1.48
-9	3	15	74.37	72.64	-72.43	-5.50	184.34	1.73	0.79
-5	3	15	64.08	64.84	64.65	4.87	4.31	-0.76	0.90

-3	1	17	14.72	6.61	-6.60	-0.42	183.61	8.10	2.30
-1	1	17	53.57	47.34	-47.19	-3.71	184.50	6.23	0.96
1	1	17	50.60	51.51	51.36	4.01	4.46	-0.92	1.06
3	1	17	50.23	51.24	51.15	2.94	3.29	-1.01	1.09
5	1	17	59.06	54.87	-54.69	-4.45	184.65	4.18	1.04
7	1	17	49.08	52.61	52.54	2.59	2.83	-3.53	1.21
-18	2	17	20.17	11.33	11.27	1.15	5.83	8.84	1.97
-16	2	17	18.99	9.79	9.52	2.28	13.46	9.20	2.07
-14	2	17	56.08	57.45	-57.29	-4.33	184.32	-1.37	0.92
-10	2	17	61.49	62.30	62.21	3.33	3.06	-0.81	0.85
-8	2	17	43.55	42.22	-42.06	-3.58	184.86	1.33	1.09
-6	2	17	37.76	37.56	-37.50	-2.04	183.12	0.20	1.13
-4	2	17	50.13	48.20	48.04	3.87	4.60	1.93	1.00
-2	2	17	23.83	25.52	25.48	1.50	3.37	-1.70	1.81
0	2	17	15.29	19.92	19.90	0.83	2.40	-4.63	2.97
2	2	17	16.48	9.07	9.00	1.12	7.09	7.41	2.63
-18	0	18	18.69	25.12	25.11	0.34	0.77	-6.43	2.32
-16	0	18	49.42	45.44	45.13	5.29	6.68	3.98	1.00
-14	0	18	30.20	34.70	34.69	0.88	1.45	-4.50	1.40
-12	0	18	42.61	42.58	42.51	2.54	3.42	0.03	1.09
-8	0	18	75.14	72.16	-71.91	-5.97	184.74	2.97	0.81
-6	0	18	36.41	37.71	37.71	0.08	0.12	-1.29	1.21
-4	0	18	36.59	37.08	37.01	2.37	3.67	-0.49	1.23
0	0	18	23.97	5.51	5.07	2.15	23.00	18.46	1.77
-23	1	18	35.80	39.03	39.00	1.64	2.40	-3.23	1.59
-21	1	18	50.50	47.91	47.75	3.96	4.74	2.59	1.11
-19	1	18	41.10	45.84	-45.70	-3.57	184.46	-4.74	1.19
-17	1	18	44.30	44.69	-44.49	-4.26	185.47	-0.39	1.06
-15	1	18	45.47	45.32	45.16	3.84	4.86	0.15	1.08
-13	1	18	48.08	55.20	-55.18	-1.36	181.41	-7.12	1.04
-11	1	18	40.96	36.68	-36.57	-2.83	184.42	4.29	1.09
-9	1	18	80.87	78.65	78.55	4.08	2.97	2.22	0.79
-7	1	18	23.40	14.34	-14.33	-0.51	182.03	9.07	1.54
-3	1	18	65.89	66.52	66.32	5.15	4.44	-0.63	0.90
-1	1	18	44.88	40.54	-40.44	-2.90	184.10	4.34	1.09
1	1	18	85.86	84.88	-84.69	-5.62	183.80	0.98	0.86
3	1	18	17.59	18.56	18.53	0.88	2.72	-0.96	2.63
-16	2	18	37.36	34.98	34.66	4.73	7.77	2.38	1.36
-14	2	18	20.70	20.29	20.28	0.68	1.93	0.41	1.97
-12	2	18	31.39	29.34	29.26	2.16	4.22	2.05	1.42
-8	2	18	68.57	65.43	-65.18	-5.66	184.96	3.15	0.88
-6	2	18	16.42	22.44	22.44	-0.15	359.63	-6.02	2.67
-4	2	18	22.58	23.71	23.62	2.02	4.88	-1.13	2.07
-12	0	19	28.03	20.53	20.50	1.04	2.91	7.50	1.42
-10	0	19	36.47	33.38	-33.33	-1.75	183.01	3.09	1.23
-8	0	19	21.28	16.65	16.43	2.65	9.16	4.63	1.94
-19	1	19	21.65	28.02	27.99	1.11	2.27	-6.37	2.22
-17	1	19	59.59	64.23	63.99	5.50	4.92	-4.64	1.00
-15	1	19	12.28	9.31	-9.27	-0.85	185.23	2.97	3.34
-13	1	19	77.88	80.09	-79.91	-5.35	183.83	-2.21	0.85
-9	1	19	36.09	32.09	-32.01	-2.24	184.01	4.00	1.28
-7	1	19	14.76	12.50	12.50	0.02	0.11	2.26	2.82
-5	1	19	108.46	108.47	108.19	7.78	4.11	-0.01	0.81
-3	1	19	14.94	8.83	-8.68	-1.64	190.72	6.11	2.99
-1	1	19	41.25	39.92	-39.71	-4.07	185.86	1.33	1.34
1	1	19	45.57	44.64	44.43	4.40	5.66	0.93	1.26
-10	2	19	21.72	23.02	-22.98	-1.44	183.58	-1.30	2.19
-8	2	19	20.97	17.81	17.63	2.49	8.05	3.17	2.26
-17	1	20	59.79	62.36	62.23	4.08	3.75	-2.57	1.02
-13	1	20	28.65	32.15	-32.02	-2.94	185.24	-3.51	1.73

-11	1	20	46.47	43.57	43.44	3.26	4.30	2.90	1.17
-9	1	20	16.61	1.25	-1.24	0.21	170.23	15.36	2.50
-7	1	20	59.50	59.74	-59.57	-4.46	184.28	-0.24	1.06
-3	1	20	17.21	12.38	12.35	0.85	3.93	4.83	2.61