Am-88-381

Dollaseite-(Ce) (magnesium orhtite redefined): Structure refinement and implications for F + M2+ substitutions in epidote-group minerals

Peacor and Dunn

To be deposited: Table 4

American Mineralogist, 73, 7-8, 838-842

Table 4. Observed and calculated structure factors for dollaseite-(Ce)

H	K	L	FO	FC	A	B	PHI	DEL(F)	SIG*(F)
3	0	0	88.38	84.05	84.04	1.31	0.89	4.32	0.14
4	0	0	15.24	14.37	14.14	-2.57	349.72	0.87	0.24
5	0	0	80.24	79.22	79.07	4.98	3.60	1.02	0.16
6	0	0	27.23	27.36	-26.98	-4.50	189.47	-0.12	0.21
7	0	0	21.88	20.58	20.43	2.44	6.81	1.30	0.23
8	0	0	18.64	17.44	-17.44	0.04	179.86	1.20	0.29
9	0	0	9.98	7.64	7.47	-1.57	348.12	2.35	0.51
10	0	0	56.75	58.88	58.76	3.82	3.72	-2.13	0.23
11	0	0	36.13	38.77	-38.53	-4.38	186.49	-2.65	0.28
2	1	0	56.47	54.58	54.38	4.59	4.82	1.90	0.09
3	1	0	53.73	53.87	-53.72	-4.10	184.36	-0.14	0.12
4	1	0	52.35	52.00	51.87	3.62	3.99	0.35	0.14
5	1	0	56.57	54.82	-54.79	-1.88	181.97	1.75	0.17
6	1	0	14.10	11.26	-11.12	-1.83	189.33	2.84	0.31
7	1	0	81.83	82.64	82.52	4.45	3.08	-0.81	0.19
8	1	0	45.60	47.77	-47.58	-4.18	185.02	-2.16	0.22
9	1	0	26.62	27.65	27.46	3.27	6.80	-1.04	0.28
10	1	0	25.78	26.73	-26.63	-2.26	184.84	-0.95	0.32
0	2	0	177.27	181.24	-181.12	-6.38	182.02	-3.97	0.08
1	2	0	111.14	110.89	110.80	4.44	2.29	0.25	0.09
2	2	0	24.01	19.49	-19.48	-0.58	181.69	4.52	0.12
3	2	0	10.76	10.73	-10.70	-0.91	184.85	0.03	0.19
4	2	0	87.10	87.53	87.48	2.90	1.90	-0.43	0.13
5	2	0	14.02	13.28	-12.51	-4.45	199.57	0.75	0.25
6	2	0	73.19	73.00	72.85	4.71	3.70	0.19	0.18
7	2	0	14.50	13.50	13.34	-2.04	351.31	1.00	0.37
8	2	0	42.00	41.68	41.68	0.27	0.37	0.32	0.25
9	2	0	35.38	35.90	35.86	1.88	2.99	-0.52	0.28
10	2	0	20.67	20.13	-19.85	-3.36	189.60	0.54	0.39
11	2	0	49.10	53.45	53.26	4.53	4.86	-4.35	0.28
1	3	0	52.33	50.95	50.83	3.37	3.79	1.38	0.11
2	3	0	50.02	50.18	-49.99	-4.31	184.92	-0.15	0.12
3	3	0	35.17	36.22	36.02	3.81	6.05	-1.05	0.14
4	3	0	41.94	41.37	-41.23	-3.39	184.70	0.56	0.15
5	3	0	45.82	45.62	45.59	1.78	2.23	0.20	0.16
6	3	0	8.29	9.89	9.74	1.71	9.95	-1.60	0.48
7	3	0	67.26	67.11	-66.98	-4.17	183.56	0.16	0.20
8	3	0	39.23	40.05	39.86	3.91	5.60	-0.82	0.26
9	3	0	27.33	28.11	-27.94	-3.08	186.28	-0.79	0.37
10	3	0	25.24	26.30	26.21	2.13	4.65	-1.05	0.41
0	4	0	242.94	249.01	248.93	6.30	1.45	-6.06	0.12
1	4	0	29.34	28.22	-27.98	-3.68	187.49	1.12	0.14
2	4	0	6.74	7.92	-7.88	0.73	174.70	-1.17	0.36
3	4	0	55.15	54.94	54.93	1.17	1.22	0.21	0.14
5	4	0	60.44	59.55	59.39	4.38	4.22	0.88	0.17
6	4	0	20.08	19.49	-19.09	-3.94	191.67	0.59	0.26
7	4	0	16.21	16.53	16.39	2.14	7.45	-0.32	0.36
8	4	0	10.77	11.09	-11.09	0.04	179.78	-0.32	0.64
9	4	0	8.75	5.61	5.44	-1.35	346.02	3.14	0.95
1	5	0	11.33	11.45	-11.07	-2.94	194.87	-0.12	0.28
2	5	0	34.06	34.82	34.61	3.78	6.23	-0.76	0.18
3	5	0	38.77	39.91	-39.77	-3.35	184.82	-1.15	0.18
4	5	0	36.13	35.31	35.19	2.98	4.84	0.81	0.19
5	5	0	37.84	36.01	-35.97	-1.59	182.53	1.83	0.21
6	5	0	7.01	8.16	-8.02	-1.50	190.59	-1.15	0.73
7	5	0	61.99	59.57	59.45	3.70	3.56	2.42	0.23

8	5	0	32.04	33.90	-33.72	-3.44	185.82	-1.85	0.33
0	6	0	88.85	86.45	-86.30	-5.01	183.32	2.40	0.17
1	6	0	56.54	56.55	56.44	3.45	3.50	-0.01	0.18
2	6	0	12.21	11.53	11.52	-0.34	358.33	0.68	0.35
3	6	0	7.81	7.28	-7.24	-0.71	185.58	0.53	0.55
4	6	0	44.87	44.35	44.29	2.22	2.87	0.53	0.21
5	6	0	11.98	9.53	-8.91	-3.40	200.89	2.44	0.46
6	6	0	40.35	39.42	39.25	3.64	5.30	0.93	0.25
7	6	0	8.60	7.45	7.29	-1.54	348.09	1.15	0.84
1	7	0	26.22	26.76	26.64	2.50	5.36	-0.54	0.26
2	7	0	26.07	26.66	-26.48	-3.12	186.73	-0.60	0.28
3	7	0	17.16	17.05	16.83	2.70	9.12	0.11	0.37
4	7	0	23.12	23.39	-23.27	-2.44	185.99	-0.27	0.33
5	7	0	26.52	25.22	25.19	1.34	3.04	1.29	0.32
0	8	0	105.12	99.63	99.54	4.42	2.54	5.48	0.21
1	8	0	12.46	12.06	-11.80	-2.47	191.84	0.40	0.58
-11	0	1	9.02	10.99	10.52	3.18	16.80	-1.97	0.75
-10	0	1	73.07	80.95	-80.80	-4.98	183.52	-7.88	0.22
-9	0	1	25.55	27.18	26.96	3.44	7.28	-1.63	0.28
-8	0	1	20.08	20.28	20.24	-1.27	356.41	-0.19	0.28
-7	0	1	7.04	2.44	-2.42	-0.32	187.41	4.59	0.50
-6	0	1	33.35	33.83	33.74	2.56	4.34	-0.49	0.19
-5	0	1	80.72	81.28	-81.09	-5.44	183.84	-0.55	0.16
-4	0	1	174.01	170.22	170.13	5.39	1.82	3.79	0.14
-3	0	1	6.74	4.76	4.09	-2.43	329.21	1.98	0.43
2	0	1	118.34	113.53	-113.45	-4.35	182.19	4.81	0.12
3	0	1	23.71	22.42	22.41	0.87	2.21	1.28	0.19
4	0	1	10.00	10.95	-10.84	1.51	172.09	-0.94	0.35
5	0	1	26.70	25.95	-25.77	-3.07	186.79	0.75	0.21
6	0	1	48.38	47.18	46.96	4.63	5.63	1.20	0.19
7	0	1	90.33	89.41	-89.26	-5.14	183.29	0.92	0.18
8	0	1	44.02	43.43	43.38	2.15	2.83	0.59	0.21
9	0	1	25.52	25.68	25.65	1.26	2.81	-0.15	0.29
10	0	1	46.41	50.18	-50.10	-2.77	183.17	-3.77	0.25
11	0	1	23.08	26.28	26.09	3.13	6.84	-3.20	0.41
-11	1	1	12.59	13.71	-13.51	-2.36	189.92	-1.12	0.58
-10	1	1	10.13	14.26	-14.25	-0.18	180.72	-4.13	0.74
-9	1	1	15.33	14.37	14.14	2.58	10.33	0.95	0.39
-8	1	1	21.94	22.36	-22.09	-3.50	188.99	-0.42	0.28
-7	1	1	34.18	34.76	34.56	3.74	6.17	-0.58	0.21
-6	1	1	67.01	66.18	-66.05	-4.07	183.53	0.84	0.18
-5	1	1	96.17	94.14	94.10	2.47	1.50	2.04	0.16
-4	1	1	41.28	39.01	38.96	2.01	2.96	2.28	0.14
-3	1	1	151.09	152.33	-152.24	-5.19	181.95	-1.23	0.10
-2	1	1	111.57	112.58	112.48	4.77	2.43	-1.00	0.08
2	1	1	92.99	93.77	-93.68	-3.96	182.42	-0.78	0.10
3	1	1	58.66	58.56	58.36	4.77	4.67	0.11	0.13
4	1	1	31.14	29.91	-29.66	-3.90	187.50	1.22	0.17
5	1	1	53.86	51.74	51.64	3.22	3.56	2.12	0.18
6	1	1	11.98	9.12	-9.04	-1.19	187.51	2.86	0.36
7	1	1	57.03	57.43	-57.38	-2.44	182.44	-0.40	0.20
8	1	1	63.88	65.49	65.32	4.70	4.12	-1.62	0.21
9	1	1	37.40	39.27	-39.05	-4.13	186.04	-1.87	0.26
10	1	1	17.73	19.39	19.24	2.47	7.31	-1.67	0.44
-11	2	1	16.13	18.48	-18.20	-3.19	189.96	-2.35	0.54
-10	2	1	58.21	60.76	60.58	4.68	4.42	-2.55	0.25
-9	2	1	24.56	24.06	-23.81	-3.43	188.18	0.50	0.32
-8	2	1	16.73	16.48	16.44	1.21	4.20	0.24	0.37
-7	2	1	6.74	3.97	-3.96	0.18	177.43	2.78	0.62
-6	2	1	95.33	96.94	-96.91	-2.71	181.60	-1.62	0.17

-5	2	1	79.89	80.26	80.09	5.17	3.69	-0.36	0.14
-4	2	1	68.34	69.11	-68.91	-5.24	184.35	-0.77	0.13
-3	2	1	15.49	15.36	-15.20	2.21	171.71	0.13	0.15
-2	2	1	49.69	48.93	-48.93	0.23	179.73	0.77	0.10
-1	2	1	15.42	16.54	-16.42	-2.04	187.10	-1.13	0.12
0	2	1	42.81	42.39	42.22	3.77	5.10	0.42	0.09
1	2	1	63.52	65.36	-65.14	-5.33	184.68	-1.83	0.09
2	2	1	127.12	128.48	128.42	4.13	1.84	-1.36	0.10
3	2	1	28.86	29.21	-29.20	-0.97	181.90	-0.35	0.13
4	2	1	16.21	15.99	-15.91	-1.61	185.78	0.22	0.19
5	2	1	27.83	27.96	27.81	2.86	5.87	-0.13	0.19
6	2	1	52.62	52.22	-52.01	-4.61	185.06	0.40	0.19
7	2	1	82.87	81.05	80.91	4.87	3.45	1.81	0.21
8	2	1	20.23	20.43	-20.32	-2.12	185.97	-0.20	0.37
9	2	1	31.86	31.28	-31.26	-1.35	182.47	0.57	0.30
10	2	1	17.69	18.67	18.50	2.50	7.69	-0.99	0.47
-10	3	1	14.30	13.29	13.29	0.18	0.76	1.00	0.62
-9	3	1	17.33	16.65	-16.47	-2.43	188.39	0.69	0.50
-8	3	1	18.11	18.39	18.10	3.26	10.21	-0.28	0.36
-7	3	1	19.67	20.59	-20.30	-3.47	189.69	-0.93	0.30
-6	3	1	55.99	55.61	55.48	3.82	3.94	0.38	0.17
-5	3	1	89.02	90.89	-90.86	-2.36	181.49	-1.87	0.15
-4	3	1	27.07	26.47	-26.40	-1.89	184.09	0.61	0.16
-3	3	1	128.01	129.20	129.11	4.90	2.17	-1.19	0.12
-2	3	1	90.26	90.74	-90.63	-4.48	182.83	-0.49	0.11
-1	3	1	33.59	33.55	33.37	3.41	5.83	0.04	0.12
0	3	1	33.84	34.77	-34.68	-2.57	184.23	-0.93	0.12
1	3	1	22.86	22.47	-22.47	-0.30	180.76	0.39	0.13
2	3	1	72.56	73.60	73.51	3.72	2.90	-1.04	0.12
3	3	1	35.26	35.63	-35.36	-4.45	187.17	-0.37	0.14
4	3	1	24.36	23.68	23.39	3.64	8.84	0.68	0.18
5	3	1	49.20	49.31	-49.21	-3.03	183.52	-0.11	0.17
6	3	1	14.58	12.31	12.25	1.14	5.31	2.28	0.29
7	3	1	46.44	46.88	46.82	2.29	2.80	-0.44	0.23
8	3	1	56.93	57.55	-57.38	-4.42	184.40	-0.62	0.25
9	3	1	38.20	39.84	39.65	3.89	5.60	-1.63	0.31
10	3	1	17.82	17.77	-17.62	-2.30	187.44	0.05	0.52
-10	4	1	68.02	65.12	-64.97	-4.40	183.87	2.90	0.28
-9	4	1	24.87	23.29	23.09	3.02	7.45	1.58	0.36
-8	4	1	11.88	12.85	12.80	-1.10	355.08	-0.97	0.56
-6	4	1	28.54	28.47	28.38	2.24	4.50	0.07	0.21
-5	4	1	61.86	62.33	-62.15	-4.81	184.42	-0.48	0.16
-4	4	1	94.66	93.73	93.61	4.75	2.91	0.93	0.14
-3	4	1	6.31	2.34	0.99	-2.11	295.13	3.97	0.36
-1	4	1	17.71	17.19	17.10	1.74	5.82	0.53	0.17
0	4	1	35.06	35.41	-35.23	-3.52	185.71	-0.35	0.14
1	4	1	47.09	47.04	46.80	4.72	5.76	0.06	0.13
2	4	1	69.55	70.52	-70.42	-3.83	183.12	-0.97	0.14
3	4	1	16.46	16.35	16.33	0.75	2.63	0.11	0.20
4	4	1	5.65	2.96	2.64	1.33	26.69	2.69	0.51
5	4	1	21.78	22.67	-22.51	-2.68	186.79	-0.89	0.23
6	4	1	34.58	35.71	35.48	4.07	6.54	-1.13	0.23
7	4	1	68.14	67.38	-67.23	-4.55	183.87	0.76	0.22
8	4	1	33.25	32.52	32.47	1.88	3.32	0.73	0.30
9	4	1	20.12	20.81	20.77	1.14	3.15	-0.68	0.49
-8	5	1	19.40	16.23	-15.98	-2.85	190.11	3.17	0.37
-7	5	1	29.63	27.12	26.95	3.05	6.46	2.51	0.28
-6	5	1	42.15	42.42	-42.29	-3.38	184.57	-0.27	0.21
-5	5	1	52.25	50.44	50.39	2.07	2.36	1.82	0.18
-4	5	1	22.51	20.87	20.80	1.67	4.59	1.64	0.22

-3	5	1	81.57	80.48	-80.36	-4.33	183.08	1.09	0.16
-2	5	1	59.82	58.61	58.47	3.92	3.83	1.22	0.16
-1	5	1	23.16	23.22	-23.03	-2.97	187.34	-0.07	0.18
0	5	1	28.64	29.36	29.27	2.27	4.44	-0.72	0.17
1	5	1	6.57	2.84	2.83	0.23	4.64	3.74	0.42
2	5	1	50.95	50.87	-50.76	-3.28	183.70	0.08	0.16
3	5	1	37.94	38.91	38.71	3.93	5.80	-0.96	0.18
4	5	1	22.42	22.82	-22.60	-3.19	188.02	-0.40	0.23
5	5	1	33.82	33.79	33.68	2.67	4.53	0.03	0.23
6	5	1	7.57	7.09	-7.02	-1.01	188.20	0.48	0.74
7	5	1	40.12	38.50	-38.45	-2.03	183.02	1.62	0.25
8	5	1	45.04	44.49	44.31	3.91	5.04	0.55	0.28
-7	6	1	10.23	4.01	-4.01	0.10	178.64	6.22	0.66
-6	6	1	50.80	48.56	-48.52	-2.06	182.43	2.24	0.23
-5	6	1	47.21	46.65	46.48	4.03	4.95	0.56	0.21
-4	6	1	38.19	37.50	-37.28	-4.08	186.25	0.68	0.21
-3	6	1	5.26	3.62	-3.22	1.67	152.55	1.63	0.76
-2	6	1	14.47	14.34	-14.34	0.21	179.14	0.13	0.30
-1	6	1	12.87	13.35	-13.25	-1.57	186.76	-0.48	0.34
0	6	1	23.36	24.25	24.08	2.88	6.81	-0.88	0.23
1	6	1	33.02	33.69	-33.44	-4.11	187.01	-0.68	0.21
2	6	1	53.48	53.67	53.58	3.19	3.41	-0.19	0.18
3	6	1	14.40	13.53	-13.51	-0.73	183.10	0.86	0.32
4	6	1	12.71	11.68	-11.61	-1.24	186.11	1.03	0.44
5	6	1	16.76	14.91	14.76	2.16	8.34	1.85	0.37
6	6	1	30.56	31.47	-31.27	-3.56	186.50	-0.91	0.29
7	6	1	51.09	51.08	50.93	3.83	4.30	0.01	0.27
-5	7	1	53.03	50.80	-50.76	-1.82	182.06	2.24	0.23
-4	7	1	12.17	11.92	-11.84	-1.38	186.66	0.25	0.50
-3	7	1	66.19	64.85	64.75	3.65	3.23	1.34	0.20
-2	7	1	44.46	42.90	-42.77	-3.24	184.33	1.56	0.22
-1	7	1	16.30	15.93	15.75	2.41	8.70	0.37	0.36
0	7	1	18.94	19.38	-19.29	-1.88	185.56	-0.44	0.32
1	7	1	12.74	10.53	-10.53	-0.21	181.13	2.22	0.39
2	7	1	37.39	36.47	36.37	2.73	4.29	0.92	0.23
3	7	1	18.21	16.12	-15.81	-3.19	191.40	2.08	0.35
4	7	1	17.79	12.16	11.88	2.59	12.28	5.63	0.37
5	7	1	26.95	28.21	-28.12	-2.23	184.53	-1.26	0.35
0	8	1	17.82	14.27	-14.07	-2.34	189.44	3.55	0.41
-12	0	2	28.89	29.97	29.97	0.07	0.14	-1.08	0.34
-11	0	2	6.76	5.24	5.13	-1.06	348.38	1.52	0.97
-9	0	2	23.61	25.79	-25.34	-4.79	190.70	-2.19	0.28
-8	0	2	111.47	113.21	113.12	4.40	2.23	-1.74	0.18
-7	0	2	16.82	18.26	18.24	-0.67	357.90	-1.44	0.27
-6	0	2	22.95	22.57	-22.52	-1.61	184.08	0.38	0.22
-5	0	2	100.67	97.83	97.77	3.28	1.92	2.84	0.16
-4	0	2	67.71	64.24	-64.08	-4.55	184.06	3.47	0.14
-3	0	2	148.62	143.41	143.30	5.43	2.17	5.21	0.12
2	0	2	138.31	141.49	141.36	5.96	2.42	-3.17	0.13
3	0	2	31.99	30.85	-30.59	-4.01	187.47	1.14	0.17
4	0	2	5.91	7.63	7.63	0.11	0.82	-1.72	0.56
5	0	2	68.50	66.07	66.00	3.04	2.64	2.43	0.18
6	0	2	51.96	51.25	-51.13	-3.42	183.82	0.71	0.19
7	0	2	36.11	38.69	38.49	3.97	5.88	-2.58	0.23
8	0	2	8.47	6.56	5.58	-3.44	328.32	1.91	0.60
9	0	2	33.18	34.96	34.90	2.04	3.35	-1.78	0.27
10	0	2	7.51	5.87	-5.80	0.90	171.17	1.64	0.91
-11	1	2	35.76	37.34	37.20	3.34	5.13	-1.59	0.29
-10	1	2	47.58	48.41	-48.33	-2.90	183.43	-0.83	0.23
-8	1	2	72.72	73.01	72.92	3.76	2.95	-0.29	0.19

-7	1	2	57.16	57.27	-57.08	-4.73	184.74	-0.11	0.19
-6	1	2	48.27	45.65	45.48	3.86	4.85	2.63	0.18
-5	1	2	51.61	51.37	-51.28	-3.03	183.38	0.24	0.16
-4	1	2	32.82	30.88	30.86	1.17	2.18	1.94	0.14
-3	1	2	27.28	28.62	28.53	2.31	4.62	-1.34	0.11
1	1	2	25.19	23.68	23.59	2.07	5.02	1.51	0.09
2	1	2	12.25	12.56	-12.55	0.31	178.59	-0.31	0.19
3	1	2	70.78	67.34	-67.23	-3.98	183.39	3.44	0.13
4	1	2	121.97	120.31	120.18	5.72	2.73	1.65	0.16
5	1	2	74.19	71.41	-71.30	-4.06	183.26	2.78	0.18
6	1	2	24.68	25.03	24.96	1.83	4.19	-0.35	0.24
7	1	2	9.69	9.51	-9.50	-0.30	181.81	0.18	0.50
8	1	2	20.00	20.07	-19.96	-2.09	185.98	-0.07	0.31
9	1	2	73.06	73.30	73.16	4.51	3.53	-0.24	0.22
10	1	2	48.14	49.32	-49.14	-4.20	184.88	-1.18	0.26
-11	2	2	17.96	16.71	16.66	1.31	4.51	1.24	0.45
-10	2	2	26.25	26.45	-26.28	-2.98	186.46	-0.20	0.33
-9	2	2	67.59	68.07	67.89	5.00	4.21	-0.48	0.23
-8	2	2	45.70	50.06	-49.91	-3.89	184.46	-4.36	0.24
-7	2	2	17.88	17.16	17.14	0.97	3.23	0.71	0.29
-6	2	2	81.13	79.58	79.56	1.93	1.39	1.55	0.16
-5	2	2	15.05	15.08	-14.82	-2.78	190.64	-0.03	0.22
-4	2	2	79.32	79.35	79.21	4.72	3.41	-0.03	0.12
-3	2	2	74.69	74.34	-74.18	-4.92	183.79	0.35	0.10
-2	2	2	98.60	97.78	97.75	2.57	1.51	0.82	0.09
-1	2	2	63.13	63.30	63.29	1.14	1.03	-0.17	0.09
0	2	2	33.78	32.74	32.67	-2.19	356.16	1.03	0.09
1	2	2	64.40	66.16	66.03	4.11	3.56	-1.76	0.10
2	2	2	123.12	122.90	-122.77	-5.49	182.56	0.22	0.11
3	2	2	110.19	109.83	109.74	4.29	2.24	0.36	0.13
4	2	2	114.21	115.09	115.09	0.38	0.19	-0.88	0.14
5	2	2	33.98	33.39	-33.28	-2.64	184.54	0.59	0.20
6	2	2	40.49	40.51	40.35	3.54	5.01	-0.02	0.22
7	2	2	15.40	14.88	14.47	-3.46	346.55	0.52	0.42
8	2	2	55.67	55.11	54.99	3.74	3.89	0.56	0.23
9	2	2	11.61	8.76	-8.60	-1.68	191.04	2.85	0.59
10	2	2	24.85	21.37	21.36	-0.59	358.42	3.48	0.36
-11	3	2	29.14	27.97	-27.80	-3.11	186.37	1.17	0.36
-10	3	2	41.56	41.54	41.45	2.73	3.77	0.02	0.30
-8	3	2	61.53	61.37	-61.27	-3.54	183.30	0.16	0.22
-7	3	2	49.55	49.12	48.91	4.44	5.19	0.44	0.19
-6	3	2	40.81	41.93	-41.78	-3.61	184.94	-1.12	0.18
-5	3	2	49.27	49.72	49.64	2.85	3.28	-0.45	0.15
-4	3	2	19.87	19.24	-19.21	-1.10	183.27	0.63	0.17
-3	3	2	38.18	38.36	-38.30	-2.18	183.26	-0.18	0.13
-2	3	2	50.90	51.81	51.61	4.56	5.05	-0.91	0.12
-1	3	2	43.43	43.23	-43.00	-4.39	185.83	0.20	0.12
0	3	2	36.29	35.65	35.51	3.14	5.06	0.64	0.12
1	3	2	15.75	15.83	-15.71	-1.95	187.06	-0.08	0.16
2	3	2	12.48	12.23	12.22	-0.27	358.73	0.25	0.19
3	3	2	40.09	39.25	39.08	3.72	5.43	0.84	0.14
4	3	2	94.69	95.37	-95.22	-5.37	183.23	-0.68	0.15
5	3	2	69.38	70.97	70.87	3.82	3.09	-1.59	0.17
6	3	2	23.99	24.59	-24.53	-1.71	183.98	-0.60	0.26
7	3	2	7.34	2.61	2.59	0.27	5.92	4.74	0.74
8	3	2	19.59	19.84	19.75	1.96	5.67	-0.25	0.41
9	3	2	67.26	63.41	-63.27	-4.23	183.83	3.84	0.26
-10	4	2	27.15	28.02	27.87	2.92	5.99	-0.87	0.41
-9	4	2	23.71	21.34	-20.91	-4.21	191.39	2.38	0.34
-8	4	2	85.47	84.59	84.50	3.90	2.64	0.88	0.21

-7	4	2	12.93	12.46	12.45	-0.56	357.41	0.47	0.36
-6	4	2	15.07	16.50	-16.44	-1.42	184.95	-1.42	0.30
-5	4	2	64.99	63.14	63.08	2.87	2.61	1.85	0.16
-4	4	2	31.89	31.99	-31.74	-3.97	187.13	-0.10	0.17
-3	4	2	94.29	93.73	93.60	4.80	2.94	0.56	0.13
-2	4	2	5.65	2.02	0.52	-1.95	284.89	3.63	0.36
-1	4	2	16.48	15.93	15.92	-0.69	357.53	0.55	0.18
0	4	2	36.02	36.02	35.94	2.33	3.71	0.00	0.14
1	4	2	15.73	16.47	-16.12	-3.39	191.89	-0.74	0.21
2	4	2	106.46	106.41	106.28	5.29	2.85	0.05	0.14
3	4	2	22.93	23.60	-23.34	-3.54	188.63	-0.68	0.19
5	4	2	51.35	51.83	51.76	2.71	3.00	-0.48	0.19
6	4	2	35.58	35.24	-35.12	-2.98	184.85	0.34	0.23
7	4	2	28.62	29.77	29.57	3.47	6.69	-1.16	0.30
9	4	2	30.12	28.53	28.47	1.82	3.65	1.59	0.39
-8	5	2	54.48	52.93	52.84	3.16	3.42	1.54	0.24
-7	5	2	39.90	38.99	-38.79	-3.92	185.77	0.91	0.23
-6	5	2	25.64	26.88	26.69	3.15	6.72	-1.23	0.25
-5	5	2	27.48	27.05	-26.93	-2.47	185.24	0.44	0.22
-4	5	2	14.43	13.95	13.92	0.98	4.01	0.48	0.29
-3	5	2	16.91	16.11	15.99	1.89	6.75	0.81	0.23
-2	5	2	36.35	36.41	-36.19	-4.01	186.32	-0.06	0.17
-1	5	2	40.58	40.63	40.45	3.86	5.45	-0.05	0.16
0	5	2	30.79	29.91	-29.78	-2.75	185.28	0.88	0.17
1	5	2	16.29	16.10	16.01	1.73	6.17	0.19	0.23
2	5	2	8.04	9.33	-9.33	0.21	178.71	-1.30	0.42
3	5	2	38.09	40.10	-39.97	-3.30	184.73	-2.02	0.18
4	5	2	72.19	72.94	72.79	4.76	3.74	-0.75	0.18
5	5	2	37.45	37.99	-37.85	-3.31	185.00	-0.54	0.23
6	5	2	11.18	13.10	13.02	1.46	6.39	-1.93	0.55
7	5	2	12.26	11.99	-11.99	-0.28	181.33	0.27	0.61
8	5	2	12.93	11.42	-11.29	-1.69	188.53	1.51	0.66
-8	6	2	32.11	31.45	-31.30	-3.03	185.53	0.66	0.31
-7	6	2	14.58	12.82	12.80	0.75	3.33	1.76	0.46
-6	6	2	44.27	41.79	41.76	1.54	2.11	2.48	0.22
-5	6	2	10.53	6.90	-6.57	-2.10	197.72	3.63	0.47
-4	6	2	45.30	44.55	44.40	3.65	4.69	0.75	0.20
-3	6	2	38.52	38.04	-37.85	-3.81	185.74	0.48	0.20
-2	6	2	42.51	42.70	42.66	1.99	2.67	-0.19	0.19
-1	6	2	32.88	33.34	33.33	0.94	1.61	-0.46	0.19
0	6	2	16.62	14.62	14.53	-1.63	353.60	2.00	0.26
1	6	2	38.12	37.86	37.73	3.15	4.78	0.26	0.19
2	6	2	62.68	62.44	-62.29	-4.28	183.93	0.24	0.18
3	6	2	59.81	59.45	59.35	3.38	3.26	0.37	0.19
4	6	2	58.21	56.90	56.90	0.36	0.37	1.31	0.21
5	6	2	19.73	20.15	-20.04	-2.07	185.91	-0.42	0.36
6	6	2	25.76	26.53	26.39	2.73	5.91	-0.77	0.34
-6	7	2	25.19	21.96	-21.81	-2.58	186.74	3.23	0.31
-5	7	2	29.28	27.28	27.21	2.05	4.31	1.99	0.29
-4	7	2	9.55	7.99	-7.95	-0.80	185.76	1.55	0.59
-3	7	2	25.04	23.80	-23.75	-1.60	183.86	1.23	0.27
-2	7	2	28.85	27.34	27.14	3.31	6.95	1.51	0.25
-1	7	2	21.86	21.38	-21.14	-3.14	188.45	0.49	0.29
0	7	2	18.10	17.75	17.61	2.24	7.25	0.35	0.33
2	7	2	6.26	7.21	7.21	-0.14	358.92	-0.95	0.87
3	7	2	16.27	13.98	13.72	2.69	11.08	2.29	0.40
4	7	2	47.84	46.96	-46.79	-3.95	184.82	0.89	0.25
-12	0	3	16.58	16.60	16.47	2.04	7.06	-0.02	0.45
-11	0	3	12.24	12.33	12.31	0.68	3.15	-0.09	0.52
-10	0	3	13.34	13.66	-13.48	-2.25	189.48	-0.32	0.43

-9	0	3	50.43	52.15	52.03	3.59	3.94	-1.72	0.21
-8	0	3	98.59	102.94	-102.82	-5.05	182.81	-4.36	0.18
-7	0	3	58.18	59.84	59.73	3.65	3.50	-1.65	0.18
-6	0	3	17.34	16.47	16.47	-0.27	359.05	0.87	0.24
-5	0	3	4.60	5.22	-4.70	-2.28	205.87	-0.63	0.69
-4	0	3	101.04	98.10	98.04	3.40	1.99	2.94	0.13
1	0	3	12.08	9.81	9.13	3.67	21.90	2.24	0.26
2	0	3	144.33	136.36	-136.30	-4.26	181.79	7.97	0.13
3	0	3	50.37	47.79	47.60	4.27	5.12	2.58	0.16
4	0	3	94.33	91.46	-91.39	-3.74	182.34	2.87	0.16
5	0	3	13.76	12.87	12.87	0.31	1.36	0.89	0.32
6	0	3	65.72	66.09	66.02	3.07	2.66	-0.37	0.19
7	0	3	52.52	51.96	-51.80	-4.08	184.50	0.56	0.21
8	0	3	32.06	33.26	33.05	3.76	6.49	-1.20	0.25
9	0	3	20.27	21.06	-20.78	-3.46	189.45	-0.80	0.37
10	0	3	18.09	17.34	17.29	1.36	4.50	0.74	0.42
-12	1	3	39.98	42.82	42.65	3.84	5.15	-2.83	0.28
-11	1	3	48.09	51.65	-51.48	-4.14	184.60	-3.56	0.24
-10	1	3	28.52	28.70	28.55	2.92	5.83	-0.18	0.28
-9	1	3	8.39	6.34	6.16	-1.50	346.35	2.04	0.55
-8	1	3	6.54	0.79	-0.62	-0.49	218.58	5.75	0.66
-7	1	3	24.21	22.97	22.71	3.45	8.64	1.24	0.23
-6	1	3	46.08	44.62	-44.35	-4.91	186.31	1.46	0.18
-5	1	3	27.85	25.89	25.62	3.73	8.29	1.96	0.17
-4	1	3	29.36	28.58	-28.47	-2.45	184.92	0.78	0.13
-3	1	3	75.84	75.92	75.91	1.29	0.98	-0.08	0.09
1	1	3	14.00	12.73	12.48	-2.56	348.42	1.26	0.14
2	1	3	30.03	29.35	-29.35	0.52	178.98	0.67	0.13
3	1	3	38.23	36.90	36.87	1.26	1.95	1.34	0.16
4	1	3	49.99	48.31	-48.16	-3.76	184.47	1.68	0.17
5	1	3	44.85	43.47	43.20	4.90	6.47	1.37	0.20
6	1	3	32.91	33.99	-33.80	-3.64	186.14	-1.08	0.23
7	1	3	42.01	42.80	42.76	1.73	2.31	-0.79	0.23
8	1	3	27.81	28.33	-28.33	0.10	179.79	-0.52	0.29
9	1	3	19.43	20.88	-20.74	-2.38	186.54	-1.45	0.39
10	1	3	37.90	37.42	37.18	4.25	6.52	0.48	0.28
-11	2	3	23.59	24.41	-24.39	-0.80	181.87	-0.82	0.38
-10	2	3	26.39	26.03	25.94	2.12	4.68	0.36	0.32
-9	2	3	36.68	38.15	-37.98	-3.54	185.33	-1.47	0.26
-8	2	3	75.35	76.33	76.18	4.74	3.56	-0.98	0.20
-7	2	3	70.60	70.73	-70.63	-3.68	182.98	-0.13	0.18
-6	2	3	18.93	18.90	-18.90	0.14	179.58	0.03	0.22
-5	2	3	25.79	25.61	25.52	2.12	4.76	0.18	0.16
-4	2	3	39.43	39.86	-39.72	-3.34	184.81	-0.44	0.12
-3	2	3	39.88	40.45	40.21	4.38	6.21	-0.57	0.10
-2	2	3	122.54	122.37	-122.27	-4.87	182.28	0.18	0.09
-1	2	3	69.93	69.04	69.00	2.28	1.89	0.89	0.09
0	2	3	91.57	88.74	88.73	1.56	1.01	2.83	0.09
1	2	3	51.07	52.46	-52.33	-3.73	184.07	-1.39	0.10
2	2	3	56.87	55.92	55.79	3.92	4.02	0.94	0.12
3	2	3	26.76	27.50	-27.18	-4.22	188.82	-0.74	0.16
4	2	3	94.50	95.35	95.29	3.54	2.13	-0.85	0.16
5	2	3	16.96	17.23	-17.22	-0.42	181.39	-0.27	0.28
6	2	3	57.45	57.20	-57.12	-3.07	183.08	0.25	0.21
7	2	3	41.31	41.06	40.88	3.82	5.34	0.25	0.25
8	2	3	44.72	42.63	-42.46	-3.77	185.07	2.09	0.25
9	2	3	23.43	23.51	23.28	3.27	7.99	-0.08	0.36
-11	3	3	42.54	42.25	42.07	3.87	5.26	0.29	0.29
-10	3	3	28.23	26.98	-26.84	-2.73	185.82	1.25	0.35
-8	3	3	5.61	0.85	0.72	0.46	32.34	4.76	0.82

-7	3	3	23.71	24.69	-24.48	-3.25	187.55	-0.98	0.24
-6	3	3	40.28	40.90	40.64	4.60	6.46	-0.62	0.17
-5	3	3	27.46	26.61	-26.37	-3.49	187.55	0.86	0.17
-4	3	3	27.18	26.96	26.86	2.29	4.88	0.22	0.14
-3	3	3	48.80	49.82	-49.81	-1.22	181.40	-1.02	0.12
-2	3	3	17.87	17.29	-17.16	-2.08	186.90	0.58	0.14
-1	3	3	128.84	130.86	130.73	5.67	2.48	-2.01	0.10
0	3	3	95.47	96.62	-96.47	-5.30	183.14	-1.15	0.11
1	3	3	6.00	6.38	5.91	2.40	22.09	-0.38	0.34
2	3	3	16.85	16.92	16.91	-0.49	358.35	-0.07	0.18
3	3	3	33.75	33.69	-33.67	-1.18	182.01	0.06	0.16
4	3	3	44.47	43.97	43.83	3.53	4.61	0.50	0.17
5	3	3	38.99	39.35	-39.08	-4.59	186.70	-0.36	0.19
6	3	3	29.26	30.12	29.93	3.40	6.49	-0.86	0.25
7	3	3	31.29	32.13	-32.09	-1.60	182.86	-0.83	0.29
8	3	3	22.93	22.19	22.19	-0.09	359.76	0.74	0.37
9	3	3	16.62	16.38	16.23	2.22	7.79	0.24	0.54
-10	4	3	12.64	11.20	-11.03	-1.98	190.17	1.44	0.66
-9	4	3	39.00	38.76	38.63	3.14	4.64	0.24	0.26
-8	4	3	78.23	75.73	-75.60	-4.45	183.37	2.50	0.21
-7	4	3	41.71	41.99	41.87	3.20	4.38	-0.28	0.20
-6	4	3	14.07	12.39	12.39	-0.22	358.99	1.68	0.29
-4	4	3	56.95	58.05	57.97	2.96	2.92	-1.10	0.14
-3	4	3	56.31	56.22	-56.07	-4.12	184.20	0.09	0.14
-2	4	3	24.82	24.12	23.75	4.22	10.09	0.70	0.16
-1	4	3	21.15	21.00	-20.89	-2.14	185.86	0.16	0.17
1	4	3	17.64	16.11	15.78	3.24	11.59	1.52	0.19
2	4	3	76.85	79.34	-79.25	-3.72	182.69	-2.49	0.14
3	4	3	32.99	34.22	34.01	3.73	6.26	-1.23	0.18
4	4	3	67.12	65.92	-65.84	-3.31	182.88	1.20	0.17
5	4	3	12.22	11.04	11.04	0.28	1.46	1.18	0.35
6	4	3	48.68	49.25	49.17	2.71	3.16	-0.57	0.23
7	4	3	41.96	40.05	-39.88	-3.58	185.13	1.91	0.26
8	4	3	24.91	26.84	26.64	3.29	7.04	-1.94	0.39
-8	5	3	7.09	0.41	0.11	-0.39	285.28	6.68	0.80
-7	5	3	13.49	13.30	13.00	2.83	12.28	0.18	0.38
-6	5	3	33.53	32.83	-32.58	-4.05	187.08	0.69	0.21
-5	5	3	18.82	19.32	19.08	3.04	9.05	-0.50	0.26
-4	5	3	22.25	22.09	-22.00	-2.01	185.23	0.16	0.22
-3	5	3	51.82	52.48	52.47	1.15	1.26	-0.66	0.16
-2	5	3	9.33	8.26	8.07	1.80	12.56	1.06	0.33
-1	5	3	115.35	115.37	-115.26	-5.08	182.52	-0.02	0.14
0	5	3	79.64	79.60	79.46	4.70	3.38	0.03	0.15
1	5	3	11.03	10.48	10.28	-2.04	348.79	0.55	0.31
2	5	3	18.58	18.88	-18.87	0.39	178.82	-0.30	0.23
3	5	3	21.63	19.98	19.96	1.02	2.92	1.64	0.23
4	5	3	31.57	30.39	-30.23	-3.09	185.83	1.17	0.22
5	5	3	25.32	26.67	26.37	4.02	8.67	-1.35	0.27
6	5	3	21.46	20.91	-20.70	-2.97	188.16	0.55	0.33
7	5	3	30.71	30.62	30.58	1.44	2.69	0.09	0.32
-8	6	3	48.80	48.16	48.02	3.69	4.40	0.64	0.25
-7	6	3	41.47	41.10	-41.00	-2.85	183.98	0.37	0.25
-6	6	3	15.15	13.44	-13.44	0.06	179.76	1.71	0.37
-5	6	3	18.60	18.10	18.02	1.65	5.24	0.50	0.29
-4	6	3	26.41	24.68	-24.55	-2.54	185.91	1.73	0.24
-3	6	3	23.44	23.23	22.99	3.35	8.30	0.21	0.24
-2	6	3	46.85	46.57	-46.42	-3.79	184.66	0.28	0.18
-1	6	3	25.98	26.45	26.39	1.77	3.85	-0.47	0.22
0	6	3	29.26	28.26	28.23	1.23	2.50	1.00	0.21
1	6	3	26.12	25.59	-25.43	-2.90	186.50	0.53	0.23

2	6	3	29.11	29.45	29.30	2.98	5.82	-0.34	0.24
3	6	3	20.64	21.24	-21.00	-3.23	188.75	-0.61	0.30
4	6	3	55.69	55.34	55.27	2.78	2.87	0.35	0.22
5	6	3	13.69	10.47	-10.47	-0.35	181.89	3.21	0.42
6	6	3	37.41	37.52	-37.44	-2.41	183.69	-0.11	0.28
-6	7	3	24.87	24.50	24.27	3.33	7.82	0.37	0.34
-5	7	3	15.70	16.60	-16.41	-2.49	188.62	-0.90	0.43
-4	7	3	16.91	16.05	15.97	1.66	5.92	0.86	0.36
-3	7	3	24.81	24.26	-24.24	-0.97	182.29	0.55	0.28
-2	7	3	8.14	9.52	-9.41	-1.47	188.89	-1.39	0.65
-1	7	3	62.97	61.01	60.87	4.20	3.94	1.96	0.20
0	7	3	48.04	47.76	-47.60	-3.88	184.66	0.29	0.21
1	7	3	6.64	7.11	6.91	1.68	13.65	-0.47	0.78
2	7	3	9.81	6.24	6.23	-0.31	357.16	3.57	0.50
3	7	3	17.74	17.09	-17.07	-0.84	182.81	0.65	0.37
4	7	3	24.02	24.32	24.18	2.54	6.01	-0.30	0.36
-11	0	4	13.75	16.48	16.39	1.71	5.96	-2.73	0.45
-10	0	4	29.36	31.09	31.06	1.31	2.41	-1.73	0.25
-9	0	4	25.28	25.98	25.87	-2.43	354.63	-0.70	0.26
-8	0	4	59.53	61.97	61.87	3.52	3.25	-2.45	0.18
-7	0	4	24.60	27.32	-26.99	-4.24	188.92	-2.72	0.23
-6	0	4	111.75	113.89	113.81	4.42	2.22	-2.14	0.16
-5	0	4	5.13	5.63	-5.61	-0.38	183.88	-0.49	0.66
-4	0	4	61.49	60.39	-60.29	-3.43	183.25	1.10	0.13
1	0	4	19.43	20.26	-20.18	-1.87	185.28	-0.83	0.20
2	0	4	91.98	88.71	88.61	4.23	2.73	3.27	0.14
3	0	4	16.26	14.78	14.27	-3.85	344.89	1.48	0.23
4	0	4	101.26	99.16	99.07	4.29	2.48	2.09	0.17
5	0	4	22.50	21.93	-21.75	-2.85	187.46	0.57	0.24
6	0	4	17.52	18.56	18.56	-0.02	359.93	-1.04	0.32
7	0	4	71.30	72.44	72.35	3.66	2.90	-1.14	0.21
8	0	4	18.26	17.63	-17.15	-4.12	193.50	0.63	0.35
9	0	4	32.79	33.34	33.16	3.49	6.01	-0.55	0.28
-12	1	4	6.76	3.66	-3.23	-1.72	208.07	3.09	0.98
-11	1	4	60.68	63.46	63.32	4.33	3.91	-2.79	0.23
-10	1	4	46.64	49.36	-49.18	-4.22	184.90	-2.72	0.23
-9	1	4	27.49	30.00	29.89	2.56	4.89	-2.51	0.25
-8	1	4	20.60	19.91	-19.86	-1.30	183.73	0.69	0.27
-7	1	4	13.32	13.22	-13.20	-0.76	183.28	0.10	0.35
-6	1	4	79.22	77.68	77.58	4.06	2.99	1.54	0.16
-5	1	4	88.32	86.31	-86.13	-5.62	183.73	2.00	0.13
-4	1	4	24.64	24.24	23.92	3.92	9.30	0.40	0.13
-3	1	4	10.18	7.98	7.86	-1.37	350.14	2.21	0.21
0	1	4	83.45	83.04	-82.90	-4.88	183.37	0.41	0.11
1	1	4	106.48	107.77	107.64	5.31	2.82	-1.29	0.10
2	1	4	64.91	65.58	-65.51	-2.85	182.49	-0.67	0.13
3	1	4	4.97	3.24	-3.24	0.13	177.62	1.73	0.62
4	1	4	10.86	10.10	9.98	1.56	8.90	0.76	0.38
5	1	4	42.38	40.16	-39.98	-3.74	185.34	2.22	0.21
6	1	4	77.63	76.57	76.38	5.38	4.03	1.07	0.20
7	1	4	51.58	50.64	-50.49	-3.83	184.33	0.94	0.22
8	1	4	11.94	11.32	-11.31	0.49	177.52	0.61	0.50
9	1	4	19.55	22.28	22.24	1.44	3.70	-2.73	0.41
-12	2	4	24.00	27.14	26.92	3.45	7.31	-3.14	0.37
-11	2	4	9.38	2.85	2.50	-1.37	331.35	6.53	0.72
-9	2	4	28.91	27.28	27.14	2.72	5.73	1.63	0.27
-8	2	4	19.30	19.28	19.05	-2.97	351.14	0.02	0.30
-7	2	4	49.67	48.77	48.57	4.40	5.18	0.91	0.18
-6	2	4	105.98	105.23	-105.16	-4.04	182.20	0.75	0.14
-5	2	4	91.94	91.47	91.47	0.78	0.49	0.47	0.13

-4	2	4	155.18	157.73	157.68	3.76	1.36	-2.55	0.10
-3	2	4	42.21	42.90	-42.69	-4.23	185.65	-0.69	0.10
-2	2	4	112.91	114.09	114.01	4.29	2.15	-1.18	0.09
-1	2	4	6.23	4.72	2.93	-3.70	308.37	1.51	0.24
0	2	4	65.05	66.07	66.04	1.99	1.72	-1.02	0.09
1	2	4	72.72	75.16	75.13	2.17	1.65	-2.44	0.11
2	2	4	9.32	7.64	6.69	-3.69	331.13	1.68	0.25
3	2	4	38.65	38.50	38.28	4.07	6.07	0.15	0.16
4	2	4	56.17	57.04	-56.91	-3.83	183.85	-0.87	0.17
5	2	4	57.05	56.87	56.78	3.09	3.12	0.18	0.19
6	2	4	12.34	11.52	11.51	0.33	1.67	0.82	0.48
7	2	4	22.03	23.65	-23.44	-3.19	187.75	-1.63	0.34
8	2	4	62.85	63.42	63.27	4.37	3.95	-0.57	0.24
9	2	4	24.11	22.72	-22.51	-3.12	187.90	1.38	0.36
-11	3	4	57.03	56.48	-56.33	-4.06	184.13	0.55	0.27
-10	3	4	43.94	43.93	43.76	3.95	5.16	0.01	0.28
-9	3	4	31.08	30.37	-30.28	-2.40	184.53	0.71	0.26
-8	3	4	17.06	18.77	18.73	1.22	3.74	-1.71	0.31
-7	3	4	21.20	20.82	20.81	0.72	1.98	0.38	0.23
-6	3	4	70.58	70.49	-70.38	-3.82	183.10	0.09	0.15
-5	3	4	60.73	60.90	60.67	5.26	4.95	-0.17	0.14
-4	3	4	15.44	14.97	-14.52	-3.66	194.13	0.47	0.18
-3	3	4	5.22	1.58	0.94	1.27	53.63	3.64	0.37
-2	3	4	21.03	21.11	21.11	0.40	1.09	-0.08	0.14
-1	3	4	28.89	28.67	-28.58	-2.28	184.57	0.22	0.13
0	3	4	60.75	61.97	61.81	4.57	4.23	-1.22	0.12
1	3	4	94.45	95.93	-95.80	-5.00	182.99	-1.48	0.12
2	3	4	57.11	57.94	57.88	2.68	2.65	-0.83	0.14
3	3	4	10.41	9.11	9.11	-0.11	359.30	1.30	0.29
4	3	4	14.46	12.21	-12.12	-1.46	186.88	2.25	0.27
5	3	4	33.07	33.87	33.69	3.50	5.92	-0.80	0.23
6	3	4	66.14	66.52	-66.32	-5.06	184.36	-0.38	0.22
7	3	4	42.95	41.57	41.41	3.58	4.95	1.38	0.26
8	3	4	12.04	11.93	11.92	-0.44	357.90	0.11	0.65
-10	4	4	24.14	24.61	24.58	1.17	2.73	-0.47	0.36
-9	4	4	19.90	19.10	18.98	-2.11	353.65	0.80	0.35
-8	4	4	44.60	43.25	43.14	3.06	4.06	1.34	0.22
-7	4	4	19.13	20.32	-19.98	-3.71	190.53	-1.19	0.27
-6	4	4	88.74	87.62	87.53	3.95	2.58	1.12	0.16
-5	4	4	6.64	5.98	-5.97	-0.34	183.23	0.66	0.45
-4	4	4	45.40	44.95	-44.84	-3.05	183.89	0.46	0.15
-3	4	4	65.91	66.31	66.18	4.15	3.59	-0.40	0.14
-2	4	4	41.49	40.79	-40.63	-3.55	184.99	0.71	0.14
-1	4	4	60.60	60.22	60.11	3.72	3.54	0.38	0.13
0	4	4	13.27	13.45	-13.37	-1.50	186.39	-0.18	0.22
1	4	4	17.36	17.33	-17.25	-1.65	185.47	0.03	0.21
2	4	4	59.24	59.67	59.55	3.72	3.58	-0.43	0.15
3	4	4	11.38	9.44	8.83	-3.34	339.25	1.95	0.31
4	4	4	73.08	73.45	73.35	3.79	2.95	-0.37	0.18
5	4	4	18.39	18.76	-18.59	-2.52	187.73	-0.36	0.29
6	4	4	12.56	14.25	14.25	-0.01	359.97	-1.69	0.51
7	4	4	55.77	56.70	56.61	3.25	3.29	-0.93	0.25
-9	5	4	17.94	16.26	16.13	2.06	7.29	1.67	0.41
-8	5	4	10.84	12.21	-12.16	-1.08	185.06	-1.37	0.53
-6	5	4	48.29	48.08	47.96	3.35	4.00	0.21	0.19
-5	5	4	56.78	56.72	-56.53	-4.67	184.73	0.06	0.17
-4	5	4	20.53	20.02	19.76	3.22	9.27	0.52	0.23
-2	5	4	17.82	16.70	-16.70	-0.36	181.25	1.12	0.22
-1	5	4	23.48	24.12	24.04	2.00	4.75	-0.64	0.19
0	5	4	42.33	41.58	-41.39	-4.01	185.53	0.75	0.17

1	5	4	57.65	57.79	57.62	4.37	4.34	-0.14	0.16
2	5	4	38.27	38.94	-38.86	-2.34	183.45	-0.67	0.18
3	5	4	5.36	1.15	1.15	0.11	5.69	4.20	0.72
4	5	4	7.62	5.04	4.89	1.25	14.36	2.58	0.57
5	5	4	26.11	26.70	-26.53	-3.07	186.59	-0.60	0.29
6	5	4	53.88	53.55	53.36	4.48	4.80	0.33	0.24
-8	6	4	12.35	10.00	9.76	-2.21	347.21	2.35	0.56
-7	6	4	30.66	29.68	29.49	3.41	6.61	0.98	0.26
-6	6	4	59.12	56.34	-56.25	-3.18	183.23	2.78	0.21
-5	6	4	47.81	45.50	45.50	0.64	0.80	2.31	0.20
-4	6	4	81.88	80.80	80.74	3.00	2.13	1.08	0.18
-3	6	4	25.44	26.19	-25.98	-3.26	187.15	-0.74	0.23
-2	6	4	56.29	54.99	54.89	3.29	3.43	1.30	0.18
-1	6	4	5.98	6.31	-5.64	-2.84	206.72	-0.33	0.67
0	6	4	33.69	33.21	33.17	1.57	2.71	0.48	0.20
1	6	4	45.58	43.57	43.53	1.73	2.27	2.01	0.19
2	6	4	7.55	4.66	-3.70	-2.83	217.46	2.90	0.58
3	6	4	24.95	25.10	24.91	3.12	7.14	-0.15	0.26
4	6	4	31.28	31.62	-31.49	-2.95	185.34	-0.34	0.26
5	6	4	32.55	33.23	33.14	2.45	4.22	-0.68	0.28
-6	7	4	40.00	39.07	-38.97	-2.80	184.10	0.93	0.26
-5	7	4	29.18	28.31	28.04	3.84	7.80	0.87	0.27
-1	7	4	9.83	8.85	-8.71	-1.60	190.39	0.98	0.50
0	7	4	28.79	28.13	27.94	3.29	6.71	0.66	0.26
1	7	4	50.89	50.25	-50.11	-3.65	184.17	0.64	0.22
2	7	4	30.81	30.06	30.00	1.94	3.69	0.75	0.26
3	7	4	8.79	8.00	8.00	-0.06	359.57	0.78	0.75
-12	0	5	47.38	50.97	50.86	3.38	3.80	-3.59	0.24
-11	0	5	60.00	64.46	-64.34	-3.96	183.52	-4.46	0.22
-10	0	5	14.99	15.67	15.56	1.89	6.92	-0.68	0.37
-9	0	5	50.13	51.53	51.50	1.84	2.04	-1.40	0.20
-8	0	5	75.96	78.10	-77.99	-4.11	183.01	-2.14	0.18
-7	0	5	17.23	17.63	17.19	3.89	12.76	-0.39	0.27
-6	0	5	54.23	55.05	-54.91	-3.87	184.03	-0.82	0.16
-5	0	5	20.04	18.59	18.38	2.79	8.63	1.45	0.21
-4	0	5	27.20	27.54	-27.54	-0.03	180.05	-0.34	0.21
-3	0	5	60.47	57.50	-57.39	-3.49	183.48	2.97	0.14
0	0	5	57.63	54.81	54.71	3.35	3.51	2.81	0.17
1	0	5	56.35	54.32	-54.28	-1.85	181.95	2.04	0.19
2	0	5	18.04	16.87	-16.76	-1.97	186.71	1.17	0.23
3	0	5	95.18	93.30	93.16	4.95	3.04	1.89	0.16
4	0	5	39.39	36.55	-36.24	-4.71	187.41	2.84	0.20
5	0	5	7.55	3.82	2.48	2.91	49.58	3.73	0.55
6	0	5	31.86	30.28	-30.22	-1.87	183.55	1.58	0.24
7	0	5	10.28	11.28	11.27	-0.36	358.16	-0.99	0.57
8	0	5	62.01	60.97	60.88	3.31	3.11	1.04	0.23
-12	1	5	6.61	4.75	-4.75	-0.14	181.63	1.87	0.98
-11	1	5	11.03	11.51	11.40	-1.61	351.97	-0.48	0.56
-10	1	5	24.15	24.14	23.78	4.17	9.94	0.01	0.28
-9	1	5	69.94	70.82	-70.64	-4.98	184.03	-0.88	0.20
-8	1	5	39.27	37.34	37.24	2.66	4.09	1.94	0.21
-7	1	5	14.64	14.51	14.51	0.03	0.12	0.13	0.31
-6	1	5	35.68	34.82	-34.79	-1.60	182.64	0.86	0.17
-5	1	5	47.55	45.41	45.26	3.68	4.64	2.14	0.13
-4	1	5	113.93	114.33	-114.19	-5.52	182.77	-0.40	0.13
-3	1	5	65.76	66.60	66.48	4.05	3.48	-0.85	0.10
-2	1	5	9.96	8.31	-8.27	-0.88	186.10	1.65	0.17
-1	1	5	11.36	11.17	11.13	-0.89	355.45	0.19	0.17
0	1	5	18.95	19.13	18.95	2.63	7.91	-0.18	0.16
1	1	5	115.78	116.73	-116.61	-5.26	182.58	-0.95	0.11

2	1	5	114.01	114.28	114.15	5.49	2.75	-0.28	0.13
3	1	5	12.36	14.47	-14.30	-2.21	188.78	-2.11	0.35
4	1	5	29.01	27.38	-27.36	-1.07	182.24	1.63	0.23
5	1	5	38.82	39.37	39.28	2.58	3.75	-0.54	0.22
6	1	5	29.26	29.00	-28.80	-3.42	186.77	0.25	0.25
7	1	5	23.92	22.95	22.61	3.97	9.95	0.97	0.29
8	1	5	28.58	28.98	-28.80	-3.17	186.28	-0.39	0.30
-12	2	5	32.40	33.14	-32.98	-3.31	185.72	-0.75	0.31
-11	2	5	44.46	46.17	46.03	3.70	4.59	-1.71	0.26
-10	2	5	27.63	28.66	-28.59	-1.97	183.94	-1.04	0.32
-9	2	5	35.69	34.68	-34.64	-1.85	183.06	1.01	0.25
-8	2	5	66.73	66.27	66.15	3.86	3.34	0.46	0.19
-7	2	5	34.68	33.93	-33.70	-3.91	186.61	0.75	0.19
-6	2	5	73.79	75.04	74.95	3.68	2.81	-1.25	0.14
-5	2	5	6.64	8.21	-7.72	-2.80	199.92	-1.57	0.39
-4	2	5	22.06	21.92	-21.92	-0.16	180.42	0.14	0.14
-3	2	5	37.80	38.08	37.94	3.25	4.89	-0.27	0.10
-2	2	5	46.60	48.42	-48.21	-4.50	185.33	-1.82	0.13
-1	2	5	46.44	47.77	47.62	3.87	4.64	-1.33	0.13
0	2	5	42.56	43.34	-43.21	-3.35	184.44	-0.79	0.10
1	2	5	16.14	16.43	16.35	1.63	5.70	-0.29	0.18
2	2	5	20.21	22.01	-21.94	1.73	175.50	-1.80	0.17
3	2	5	52.73	53.23	-53.01	-4.85	185.22	-0.51	0.16
4	2	5	69.51	70.45	70.30	4.54	3.70	-0.94	0.18
5	2	5	35.13	35.22	-35.09	-3.00	184.88	-0.09	0.24
8	2	5	48.79	47.16	-47.05	-3.27	183.97	1.63	0.26
-10	3	5	24.64	25.16	-24.85	-3.92	188.97	-0.52	0.35
-9	3	5	62.31	61.36	61.18	4.68	4.38	0.95	0.21
-8	3	5	32.30	30.25	-30.15	-2.49	184.72	2.05	0.21
-7	3	5	16.85	16.59	-16.59	-0.05	180.18	0.25	0.25
-6	3	5	27.10	26.84	26.80	1.49	3.19	0.26	0.18
-5	3	5	29.07	28.97	-28.77	-3.42	186.78	0.10	0.15
-4	3	5	90.46	90.93	90.78	5.18	3.26	-0.47	0.12
-3	3	5	61.97	62.86	-62.74	-3.81	183.47	-0.89	0.12
-2	3	5	8.37	7.89	7.84	0.82	5.96	0.48	0.24
-1	3	5	6.20	6.48	-6.43	0.83	172.67	-0.28	0.33
0	3	5	17.54	16.70	-16.51	-2.45	188.44	0.85	0.17
1	3	5	100.43	101.96	101.84	4.96	2.79	-1.52	0.13
2	3	5	95.28	97.40	-97.27	-5.17	183.04	-2.12	0.14
4	3	5	29.86	29.89	29.88	1.04	1.99	-0.04	0.21
5	3	5	27.80	27.54	-27.44	-2.40	184.99	0.25	0.24
6	3	5	20.35	20.76	20.51	3.18	8.81	-0.41	0.37
7	3	5	22.82	23.06	-22.76	-3.72	189.27	-0.24	0.39
8	3	5	27.53	28.58	28.43	2.98	5.99	-1.05	0.39
-10	4	5	11.69	13.29	13.18	1.68	7.27	-1.60	0.62
-9	4	5	39.90	38.82	38.79	1.64	2.42	1.08	0.24
-8	4	5	58.86	57.44	-57.32	-3.63	183.62	1.42	0.19
-7	4	5	6.46	15.02	14.63	3.40	13.10	-8.56	0.86
-6	4	5	41.21	41.71	-41.57	-3.39	184.67	-0.49	0.17
-5	4	5	15.05	15.21	15.01	2.45	9.28	-0.17	0.24
-4	4	5	12.87	11.54	-11.54	-0.02	180.10	1.34	0.24
-3	4	5	39.00	38.49	-38.37	-3.08	184.58	0.50	0.14
-2	4	5	54.21	54.90	54.76	4.00	4.18	-0.69	0.14
-1	4	5	26.89	27.68	-27.44	-3.58	187.42	-0.79	0.16
0	4	5	36.44	35.75	35.62	2.95	4.73	0.69	0.15
1	4	5	38.09	38.19	-38.16	-1.66	182.49	-0.10	0.16
2	4	5	11.09	9.17	-9.01	-1.72	190.83	1.92	0.31
3	4	5	65.53	67.66	67.52	4.38	3.71	-2.13	0.17
4	4	5	32.15	33.08	-32.81	-4.15	187.22	-0.93	0.22
6	4	5	23.58	24.16	-24.10	-1.65	183.92	-0.57	0.35

-9	5	5	52.14	50.88	-50.71	-4.15	184.68	1.26	0.24
-8	5	5	30.31	27.97	27.89	2.20	4.51	2.33	0.25
-7	5	5	9.58	7.07	7.07	0.05	0.40	2.51	0.50
-6	5	5	22.98	21.21	-21.17	-1.31	183.55	1.77	0.24
-5	5	5	33.90	33.18	33.05	3.02	5.22	0.72	0.19
-4	5	5	69.36	68.96	-68.81	-4.57	183.80	0.40	0.16
-3	5	5	33.53	34.23	34.06	3.32	5.56	-0.69	0.18
-1	5	5	6.70	7.65	7.61	-0.70	354.72	-0.94	0.49
0	5	5	11.33	11.48	11.28	2.12	10.65	-0.14	0.34
1	5	5	67.98	68.46	-68.32	-4.35	183.65	-0.48	0.17
2	5	5	67.28	67.69	67.54	4.56	3.86	-0.41	0.18
3	5	5	13.29	12.51	-12.38	-1.81	188.31	0.78	0.36
4	5	5	15.59	15.75	-15.72	-0.92	183.35	-0.16	0.35
5	5	5	32.40	31.24	31.17	2.14	3.93	1.15	0.27
6	5	5	21.65	22.81	-22.63	-2.79	187.03	-1.15	0.43
-8	6	5	40.15	39.98	39.87	3.02	4.33	0.17	0.26
-7	6	5	18.72	18.23	-17.98	-2.99	189.44	0.49	0.36
-6	6	5	39.34	38.40	38.30	2.81	4.20	0.94	0.22
-5	6	5	8.95	8.24	-7.95	-2.16	195.23	0.72	0.53
-4	6	5	11.69	8.49	-8.49	-0.12	180.81	3.20	0.37
-3	6	5	20.37	19.15	18.98	2.51	7.53	1.22	0.26
-2	6	5	32.48	31.63	-31.44	-3.46	186.29	0.85	0.21
-1	6	5	29.61	29.78	29.64	2.95	5.69	-0.18	0.21
0	6	5	24.09	24.71	-24.58	-2.60	186.04	-0.63	0.24
1	6	5	9.14	11.25	11.17	1.31	6.69	-2.11	0.51
2	6	5	11.03	8.58	-8.48	1.32	171.12	2.45	0.44
3	6	5	33.20	34.58	-34.37	-3.80	186.32	-1.38	0.25
4	6	5	39.86	41.63	41.49	3.51	4.84	-1.77	0.25
-5	7	5	13.84	11.65	-11.39	-2.43	192.05	2.19	0.45
-4	7	5	49.76	46.67	46.52	3.78	4.64	3.09	0.22
-3	7	5	36.03	34.04	-33.92	-2.76	184.66	1.99	0.24
0	7	5	9.03	6.60	-6.38	-1.70	194.96	2.43	0.58
1	7	5	55.54	52.95	52.83	3.63	3.93	2.59	0.22
2	7	5	51.25	51.63	-51.48	-3.81	184.24	-0.37	0.23
-12	0	6	45.96	46.45	-46.30	-3.75	184.63	-0.49	0.24
-11	0	6	41.18	44.30	44.15	3.61	4.68	-3.13	0.24
-10	0	6	8.04	5.93	5.36	-2.53	334.73	2.11	0.58
-9	0	6	34.08	35.42	35.39	1.49	2.42	-1.34	0.22
-8	0	6	18.34	18.87	18.78	1.85	5.63	-0.53	0.26
-7	0	6	40.78	39.65	-39.43	-4.11	185.95	1.14	0.18
-6	0	6	76.38	76.35	76.23	4.30	3.23	0.02	0.15
-5	0	6	7.44	6.38	-5.58	-3.09	208.98	1.05	0.52
-4	0	6	148.66	145.07	145.03	3.12	1.23	3.60	0.15
-1	0	6	190.40	181.92	181.82	6.04	1.90	8.47	0.13
0	0	6	15.37	15.01	14.54	-3.71	345.70	0.36	0.29
1	0	6	7.50	6.97	6.61	2.21	18.48	0.53	0.53
2	0	6	51.75	51.86	51.86	-0.23	359.74	-0.10	0.16
4	0	6	68.97	68.08	67.94	4.48	3.77	0.89	0.18
6	0	6	64.89	64.79	64.71	3.15	2.79	0.10	0.21
7	0	6	13.55	13.78	-13.72	-1.25	185.21	-0.23	0.47
-12	1	6	10.25	9.72	-9.69	0.77	175.48	0.53	0.64
-10	1	6	24.15	26.08	-25.97	-2.38	185.23	-1.93	0.28
-9	1	6	59.09	61.06	60.89	4.43	4.16	-1.96	0.19
-8	1	6	61.22	60.51	-60.34	-4.64	184.40	0.71	0.19
-6	1	6	16.08	16.03	16.02	0.55	1.96	0.05	0.23
-5	1	6	39.20	38.62	-38.56	-2.09	183.11	0.59	0.17
-4	1	6	53.68	53.37	53.24	3.71	3.99	0.31	0.13
-3	1	6	57.46	57.08	-56.85	-5.13	185.15	0.38	0.10
-2	1	6	61.54	62.30	62.16	4.15	3.82	-0.75	0.09
-1	1	6	16.81	17.50	-17.49	-0.66	182.16	-0.70	0.14

0	1	6	15.49	14.99	-14.82	-2.22	188.54	0.50	0.19
1	1	6	34.82	33.11	32.95	3.29	5.70	1.71	0.18
2	1	6	35.33	34.68	-34.43	-4.14	186.85	0.65	0.17
3	1	6	77.88	75.33	75.19	4.62	3.51	2.55	0.17
4	1	6	57.02	55.17	-55.11	-2.45	182.54	1.85	0.19
5	1	6	31.59	28.65	-28.63	-1.20	182.40	2.94	0.23
6	1	6	40.77	39.74	39.62	3.03	4.38	1.03	0.24
7	1	6	30.86	31.51	-31.31	-3.57	186.50	-0.65	0.28
-11	2	6	23.08	21.15	-20.91	-3.20	188.71	1.93	0.35
-10	2	6	50.70	49.32	49.24	2.84	3.30	1.38	0.24
-9	2	6	15.23	10.49	10.43	-1.09	354.01	4.74	0.36
-8	2	6	5.50	2.31	1.76	-1.50	319.43	3.19	0.72
-7	2	6	67.82	67.03	66.89	4.29	3.67	0.80	0.16
-6	2	6	21.26	21.56	-21.22	-3.80	190.16	-0.30	0.19
-5	2	6	81.03	81.62	81.55	3.39	2.38	-0.59	0.12
-4	2	6	49.07	48.98	-48.91	-2.63	183.08	0.09	0.14
-3	2	6	55.22	54.73	54.73	0.36	0.38	0.49	0.13
-2	2	6	101.70	102.74	102.65	4.32	2.41	-1.04	0.13
-1	2	6	61.69	62.24	-62.01	-5.42	185.00	-0.56	0.14
0	2	6	78.66	80.02	79.92	4.01	2.87	-1.35	0.15
1	2	6	7.39	5.80	5.49	-1.85	341.36	1.59	0.36
2	2	6	14.10	16.35	-16.34	0.54	178.11	-2.25	0.25
3	2	6	58.52	59.73	59.68	2.30	2.21	-1.21	0.17
4	2	6	29.63	29.71	-29.44	-4.02	187.77	-0.08	0.23
5	2	6	34.62	33.63	33.37	4.22	7.20	0.99	0.25
6	2	6	19.94	19.37	-19.18	-2.69	187.99	0.58	0.38
7	2	6	35.03	35.17	35.14	1.51	2.47	-0.14	0.29
-11	3	6	7.32	9.62	-9.59	-0.80	184.78	-2.30	1.10
-10	3	6	23.56	22.72	22.62	2.22	5.62	0.84	0.32
-9	3	6	49.07	48.66	-48.48	-4.14	184.88	0.41	0.15
-8	3	6	53.00	52.32	52.14	4.35	4.77	0.68	0.19
-7	3	6	6.68	3.35	-2.72	-1.95	215.56	3.33	0.49
-6	3	6	11.34	12.26	-12.25	-0.52	182.43	-0.92	0.29
-5	3	6	29.63	28.93	28.86	1.94	3.85	0.70	0.15
-4	3	6	41.53	42.52	-42.38	-3.46	184.67	-0.99	0.13
-3	3	6	55.92	56.02	55.81	4.83	4.95	-0.10	0.12
-2	3	6	56.99	57.08	-56.95	-3.91	183.93	-0.09	0.12
-1	3	6	5.03	6.05	6.02	0.59	5.62	-1.03	0.42
0	3	6	21.03	21.63	21.53	2.11	5.61	-0.60	0.16
1	3	6	24.17	24.03	-23.84	-3.07	187.33	0.14	0.17
2	3	6	26.74	25.73	25.44	3.85	8.61	1.01	0.18
3	3	6	64.38	64.96	-64.82	-4.33	183.83	-0.59	0.17
4	3	6	47.80	48.63	48.58	2.30	2.71	-0.83	0.19
5	3	6	23.74	22.54	22.51	1.12	2.85	1.20	0.30
6	3	6	33.93	33.62	-33.50	-2.84	184.85	0.31	0.29
-10	4	6	8.23	4.17	3.54	-2.20	328.12	4.06	0.78
-9	4	6	28.13	27.85	27.82	1.33	2.74	0.28	0.28
-8	4	6	17.06	16.20	16.12	1.64	5.81	0.85	0.29
-7	4	6	32.25	31.11	-30.90	-3.61	186.67	1.13	0.19
-6	4	6	57.41	55.43	55.30	3.76	3.89	1.98	0.16
-5	4	6	5.49	3.82	-2.73	-2.68	224.49	1.66	0.55
-4	4	6	98.19	98.05	98.01	2.79	1.63	0.13	0.14
-3	4	6	29.28	29.78	-29.78	-0.09	180.17	-0.50	0.16
-2	4	6	70.27	71.49	-71.39	-3.69	182.96	-1.22	0.13
-1	4	6	123.41	125.72	125.61	5.36	2.44	-2.31	0.13
0	4	6	10.73	5.50	4.46	-3.23	324.07	5.22	0.29
1	4	6	8.74	9.93	9.74	1.93	11.20	-1.19	0.39
2	4	6	34.62	35.30	35.30	-0.20	359.68	-0.69	0.18
3	4	6	5.61	3.25	-2.74	-1.73	212.30	2.37	0.72
4	4	6	50.41	51.97	51.82	3.94	4.35	-1.56	0.21

6	4	6	49.48	49.43	49.35	2.77	3.21	0.05	0.26
-9	5	6	49.39	46.96	46.81	3.67	4.49	2.43	0.24
-8	5	6	43.54	43.44	-43.27	-3.84	185.07	0.10	0.22
-7	5	6	7.03	1.81	-0.66	1.68	111.41	5.22	0.62
-6	5	6	11.54	9.70	9.69	0.47	2.78	1.84	0.37
-5	5	6	26.27	25.81	-25.76	-1.70	183.78	0.46	0.21
-4	5	6	35.44	36.04	35.91	3.04	4.83	-0.60	0.18
-3	5	6	29.36	29.48	-29.18	-4.22	188.23	-0.12	0.19
-2	5	6	31.85	32.43	32.25	3.43	6.07	-0.58	0.18
-1	5	6	16.39	17.53	-17.52	-0.54	181.77	-1.14	0.24
0	5	6	5.96	6.73	-6.47	-1.85	195.94	-0.78	0.62
1	5	6	24.62	24.83	24.68	2.70	6.24	-0.21	0.22
2	5	6	26.47	26.88	-26.67	-3.38	187.23	-0.41	0.23
3	5	6	52.08	52.01	51.86	3.82	4.22	0.08	0.21
4	5	6	36.36	36.67	-36.62	-2.04	183.18	-0.32	0.25
-7	6	6	40.72	39.31	39.16	3.34	4.88	1.41	0.24
-6	6	6	15.02	12.47	-12.13	-2.88	193.35	2.56	0.35
-5	6	6	44.57	43.38	43.31	2.60	3.43	1.19	0.21
-4	6	6	31.02	30.23	-30.16	-2.08	183.95	0.79	0.16
-3	6	6	31.92	31.10	31.10	0.36	0.66	0.82	0.22
-2	6	6	66.73	63.77	63.68	3.43	3.08	2.96	0.18
-1	6	6	42.43	41.31	-41.09	-4.24	185.89	1.12	0.20
0	6	6	41.81	42.37	42.26	3.08	4.16	-0.56	0.21
1	6	6	5.96	5.41	5.23	-1.36	345.44	0.55	0.84
2	6	6	7.54	6.14	-6.12	0.43	175.95	1.40	0.68
3	6	6	34.25	33.35	33.30	1.78	3.06	0.90	0.25
-3	7	6	32.47	31.91	31.72	3.53	6.35	0.56	0.25
-2	7	6	30.95	31.52	-31.39	-2.88	185.24	-0.57	0.25
-12	0	7	38.50	40.33	40.22	3.01	4.28	-1.84	0.25
-11	0	7	55.99	55.89	-55.73	-4.22	184.33	0.09	0.21
-10	0	7	28.10	27.49	27.31	3.20	6.67	0.61	0.24
-9	0	7	34.49	33.86	-33.77	-2.52	184.27	0.63	0.21
-8	0	7	19.76	19.75	19.72	1.03	3.00	0.01	0.26
-7	0	7	8.78	8.61	8.38	1.99	13.38	0.17	0.44
-6	0	7	79.94	80.03	-79.87	-4.95	183.55	-0.08	0.20
-5	0	7	46.91	45.01	44.77	4.64	5.92	1.89	0.19
-4	0	7	18.22	15.97	-15.72	-2.82	190.17	2.25	0.23
-1	0	7	11.94	10.27	9.68	-3.42	340.52	1.68	0.32
0	0	7	81.15	77.41	77.24	5.25	3.89	3.74	0.18
1	0	7	55.14	53.51	-53.35	-4.18	184.48	1.63	0.21
2	0	7	43.12	41.98	41.94	1.79	2.44	1.14	0.17
4	0	7	32.32	31.08	-31.00	-2.28	184.21	1.24	0.22
5	0	7	61.14	57.90	57.71	4.73	4.69	3.24	0.19
6	0	7	77.43	78.95	-78.80	-4.86	183.53	-1.52	0.21
7	0	7	15.28	14.39	14.24	2.09	8.37	0.89	0.42
-12	1	7	16.29	17.04	-16.80	-2.86	189.65	-0.75	0.44
-11	1	7	11.69	8.31	-8.30	0.42	177.13	3.38	0.50
-10	1	7	14.81	14.04	13.96	1.46	5.96	0.77	0.37
-9	1	7	10.28	11.91	-11.69	-2.30	191.14	-1.63	0.50
-8	1	7	29.26	30.32	30.08	3.81	7.22	-1.06	0.24
-7	1	7	105.63	102.48	-102.35	-5.08	182.84	3.15	0.16
-6	1	7	79.39	77.81	77.76	2.83	2.08	1.58	0.18
-5	1	7	45.26	43.67	43.65	1.45	1.90	1.59	0.16
-4	1	7	74.07	74.69	-74.61	-3.48	182.67	-0.62	0.12
-3	1	7	64.66	65.15	65.03	3.90	3.43	-0.49	0.09
-2	1	7	64.46	65.71	-65.56	-4.52	183.95	-1.25	0.09
-1	1	7	36.56	37.13	36.97	3.48	5.37	-0.57	0.13
0	1	7	30.62	31.60	31.60	-0.06	359.89	-0.98	0.17
1	1	7	37.92	40.02	-39.93	-2.59	183.70	-2.10	0.20
2	1	7	18.61	18.71	18.40	3.39	10.43	-0.10	0.24

3	1	7	51.05	49.09	-48.92	-4.07	184.76	1.96	0.19
4	1	7	59.71	58.08	57.93	4.10	4.05	1.64	0.20
5	1	7	21.53	20.61	-20.52	-1.87	185.21	0.92	0.28
6	1	7	6.97	11.41	-11.30	-1.52	187.68	-4.44	0.87
7	1	7	37.43	37.17	37.00	3.57	5.50	0.26	0.25
-12	2	7	44.40	43.41	-43.30	-3.03	184.00	0.99	0.25
-11	2	7	40.00	40.76	40.56	3.95	5.57	-0.76	0.26
-10	2	7	38.09	36.72	-36.58	-3.22	185.02	1.37	0.25
-9	2	7	48.74	48.31	48.25	2.39	2.84	0.43	0.21
-8	2	7	8.14	1.44	0.97	-1.06	312.49	6.70	0.43
-7	2	7	40.03	39.56	-39.50	-2.11	183.05	0.47	0.17
-6	2	7	50.02	49.81	49.59	4.64	5.35	0.21	0.13
-5	2	7	14.25	13.48	-12.69	-4.54	199.70	0.76	0.24
-4	2	7	19.37	19.41	19.23	2.62	7.76	-0.04	0.18
-3	2	7	26.20	27.72	-27.69	-1.22	182.52	-1.52	0.15
-1	2	7	6.77	5.11	-3.98	3.21	141.14	1.65	0.35
0	2	7	101.65	104.74	-104.61	-5.26	182.88	-3.09	0.16
1	2	7	50.48	51.52	51.37	3.94	4.39	-1.04	0.14
2	2	7	15.59	15.96	-15.86	-1.78	186.40	-0.37	0.25
3	2	7	4.82	2.03	-2.03	0.02	179.54	2.79	0.71
4	2	7	18.04	16.45	16.32	2.07	7.23	1.58	0.30
5	2	7	67.82	65.89	-65.72	-4.72	184.11	1.93	0.22
6	2	7	68.91	68.51	68.35	4.60	3.85	0.40	0.23
-11	3	7	7.17	8.25	8.24	-0.38	357.36	-1.08	1.06
-10	3	7	12.51	13.45	-13.38	-1.37	185.85	-0.94	0.52
-9	3	7	5.61	5.42	4.99	2.12	23.04	0.19	0.85
-8	3	7	22.41	22.51	-22.23	-3.55	189.08	-0.10	0.24
-7	3	7	95.18	94.22	94.10	4.80	2.92	0.96	0.16
-6	3	7	72.95	72.91	-72.86	-2.68	182.11	0.04	0.14
-5	3	7	40.84	40.09	-40.06	-1.38	181.98	0.75	0.13
-4	3	7	68.55	68.56	68.48	3.28	2.75	-0.01	0.12
-3	3	7	55.52	56.13	-56.01	-3.65	183.73	-0.61	0.17
-2	3	7	53.23	54.34	54.18	4.23	4.47	-1.11	0.17
-1	3	7	25.43	25.20	-24.99	-3.25	187.40	0.23	0.14
0	3	7	29.11	29.37	-29.37	0.04	179.92	-0.25	0.15
1	3	7	27.63	27.67	27.57	2.41	5.00	-0.05	0.17
2	3	7	12.58	12.46	-12.05	-3.15	194.65	0.12	0.29
3	3	7	45.92	45.82	45.66	3.82	4.79	0.09	0.18
4	3	7	53.13	52.97	-52.83	-3.86	184.18	0.16	0.21
5	3	7	18.92	19.28	19.20	1.77	5.26	-0.36	0.37
-10	4	7	22.43	21.98	21.80	2.79	7.28	0.45	0.35
-9	4	7	26.51	25.57	-25.47	-2.22	184.97	0.94	0.26
-8	4	7	12.93	12.93	12.89	0.93	4.11	0.00	0.36
-7	4	7	11.03	11.26	11.13	1.76	8.96	-0.24	0.36
-6	4	7	59.69	58.89	-58.73	-4.38	184.26	0.80	0.16
-5	4	7	31.32	31.97	31.70	4.08	7.33	-0.65	0.17
-4	4	7	15.05	13.93	-13.71	-2.45	190.15	1.12	0.24
-3	4	7	7.17	4.80	4.70	0.96	11.52	2.38	0.39
-2	4	7	6.31	6.68	6.66	0.49	4.22	-0.37	0.45
-1	4	7	6.00	4.18	2.91	-3.00	314.17	1.82	0.49
0	4	7	57.70	59.76	59.58	4.63	4.44	-2.06	0.15
1	4	7	43.92	44.21	-44.05	-3.68	184.77	-0.29	0.17
2	4	7	28.66	28.81	28.77	1.56	3.09	-0.15	0.20
4	4	7	23.18	23.10	-23.02	-1.99	184.94	0.07	0.28
5	4	7	45.07	44.72	44.52	4.18	5.36	0.35	0.25
-9	5	7	9.10	9.97	-9.79	-1.85	190.71	-0.87	0.69
-8	5	7	20.37	21.80	21.58	3.12	8.21	-1.43	0.31
-7	5	7	65.34	64.52	-64.38	-4.23	183.76	0.83	0.19
-6	5	7	48.03	47.66	47.60	2.36	2.84	0.36	0.18
-5	5	7	25.52	25.05	25.02	1.23	2.81	0.47	0.21

-4	5	7	45.16	44.11	-44.01	-2.89	183.75	1.05	0.17
-3	5	7	38.97	38.34	38.20	3.18	4.76	0.64	0.18
-2	5	7	43.41	43.82	-43.66	-3.72	184.87	-0.41	0.17
-1	5	7	28.70	28.72	28.57	2.88	5.76	-0.02	0.19
0	5	7	20.41	19.41	19.41	-0.03	359.92	0.99	0.23
1	5	7	30.85	30.37	-30.29	-2.15	184.06	0.48	0.21
2	5	7	14.41	14.94	14.69	2.76	10.64	-0.53	0.36
3	5	7	30.29	30.37	-30.19	-3.33	186.30	-0.08	0.25
4	5	7	38.80	39.77	39.62	3.41	4.92	-0.96	0.25
-7	6	7	25.42	24.33	-24.28	-1.63	183.85	1.09	0.28
-6	6	7	35.06	33.66	33.46	3.63	6.20	1.40	0.23
-5	6	7	12.54	12.80	-12.31	-3.52	195.97	-0.27	0.41
-4	6	7	10.19	11.71	11.54	1.98	9.74	-1.52	0.48
-3	6	7	14.64	13.28	-13.25	-0.92	183.97	1.36	0.32
0	6	7	60.73	58.88	-58.74	-4.08	183.97	1.84	0.19
1	6	7	29.24	30.57	30.42	3.04	5.71	-1.33	0.26
2	6	7	9.14	9.84	-9.74	-1.36	187.95	-0.70	0.63
-3	7	7	27.84	27.19	-27.06	-2.61	185.50	0.65	0.28
-2	7	7	27.95	28.65	28.48	3.05	6.12	-0.69	0.27
-12	0	8	23.73	22.35	22.35	0.10	0.25	1.38	0.30
-11	0	8	6.95	8.55	8.06	2.84	19.40	-1.60	0.74
-10	0	8	52.58	54.07	-53.87	-4.70	184.98	-1.50	0.21
-9	0	8	77.28	79.15	79.05	4.03	2.92	-1.87	0.18
-7	0	8	24.00	23.44	23.44	0.23	0.55	0.56	0.28
-6	0	8	72.21	74.18	74.15	2.33	1.80	-1.97	0.20
-5	0	8	30.86	29.51	-29.15	-4.60	188.97	1.35	0.20
-4	0	8	83.48	79.44	79.28	5.02	3.62	4.04	0.14
-1	0	8	31.72	30.78	30.76	1.11	2.06	0.94	0.20
0	0	8	52.62	48.90	-48.76	-3.68	184.32	3.72	0.19
1	0	8	96.41	90.24	90.06	5.72	3.63	6.17	0.21
2	0	8	36.79	37.10	-36.91	-3.77	185.83	-0.32	0.25
3	0	8	22.61	21.71	21.69	1.02	2.70	0.89	0.25
4	0	8	38.95	37.00	36.98	1.34	2.08	1.95	0.22
5	0	8	24.46	24.56	-24.45	-2.39	185.57	-0.11	0.28
6	0	8	22.10	21.02	20.69	3.75	10.27	1.07	0.32
-12	1	8	50.62	50.75	50.59	4.00	4.52	-0.13	0.23
-11	1	8	44.40	46.45	-46.33	-3.41	184.21	-2.06	0.16
-10	1	8	18.06	17.47	-17.47	0.17	179.45	0.59	0.32
-9	1	8	38.10	38.47	38.39	2.58	3.84	-0.37	0.21
-8	1	8	31.05	29.50	-29.31	-3.36	186.55	1.55	0.21
-7	1	8	42.78	40.43	40.26	3.76	5.33	2.35	0.22
-6	1	8	36.89	36.12	-35.92	-3.79	186.03	0.77	0.19
-5	1	8	28.62	28.59	28.52	1.95	3.92	0.03	0.16
-4	1	8	9.00	7.15	7.02	1.37	11.07	1.84	0.24
-3	1	8	42.54	42.77	-42.62	-3.56	184.77	-0.23	0.10
-2	1	8	58.48	59.94	59.81	3.93	3.76	-1.47	0.10
-1	1	8	48.58	50.02	-49.87	-3.95	184.53	-1.44	0.14
0	1	8	65.63	65.43	65.35	3.37	2.96	0.20	0.17
1	1	8	26.09	25.38	-25.37	-0.40	180.90	0.71	0.24
2	1	8	44.85	43.95	-43.83	-3.34	184.36	0.89	0.18
3	1	8	61.34	61.22	61.06	4.46	4.17	0.11	0.19
4	1	8	29.98	30.27	-30.06	-3.56	186.76	-0.29	0.25
5	1	8	32.75	31.83	31.70	2.86	5.15	0.91	0.25
6	1	8	25.94	25.44	-25.41	-1.36	183.06	0.50	0.30
-10	2	8	84.60	82.93	82.78	4.88	3.37	1.67	0.21
-9	2	8	31.13	30.37	-30.16	-3.55	186.72	0.76	0.23
-8	2	8	18.62	18.84	18.77	1.63	4.97	-0.22	0.26
-7	2	8	13.50	12.41	12.41	0.10	0.48	1.09	0.31
-6	2	8	7.48	7.19	6.95	-1.84	345.20	0.29	0.41
-5	2	8	71.02	70.77	70.61	4.80	3.89	0.25	0.16

-4	2	8	64.83	65.48	-65.32	-4.60	184.03	-0.65	0.14
-3	2	8	5.38	3.32	2.27	2.41	46.68	2.06	0.46
-2	2	8	21.80	21.87	21.87	-0.43	358.88	-0.07	0.17
-1	2	8	28.19	29.37	29.36	-0.69	358.65	-1.18	0.17
0	2	8	84.15	86.96	86.87	3.90	2.57	-2.81	0.17
1	2	8	72.01	72.03	-71.83	-5.28	184.20	-0.02	0.19
2	2	8	56.23	57.19	57.05	3.94	3.95	-0.96	0.17
3	2	8	42.84	44.10	44.10	-0.57	359.26	-1.26	0.19
4	2	8	5.91	9.65	9.60	-0.94	354.39	-3.74	0.98
5	2	8	26.22	23.47	23.33	2.53	6.19	2.75	0.22
-11	3	8	43.43	43.32	43.20	3.22	4.26	0.11	0.27
-10	3	8	15.14	12.81	12.81	-0.16	359.30	2.33	0.40
-9	3	8	32.62	32.38	-32.29	-2.43	184.30	0.24	0.22
-8	3	8	28.02	27.23	27.05	3.16	6.65	0.79	0.21
-7	3	8	40.25	40.16	-40.01	-3.53	185.04	0.09	0.17
-6	3	8	32.33	32.70	32.51	3.56	6.25	-0.37	0.17
-5	3	8	17.09	16.60	-16.50	-1.81	186.27	0.49	0.24
-4	3	8	11.10	9.63	-9.54	-1.30	187.75	1.47	0.30
-3	3	8	32.79	32.01	31.83	3.32	5.96	0.78	0.17
-2	3	8	47.68	48.33	-48.19	-3.66	184.35	-0.65	0.17
-1	3	8	43.26	42.02	41.86	3.69	5.04	1.24	0.18
0	3	8	53.82	54.10	-54.01	-3.17	183.36	-0.28	0.14
1	3	8	23.38	25.45	25.45	0.39	0.88	-2.08	0.21
2	3	8	34.60	34.39	34.24	3.14	5.23	0.21	0.19
3	3	8	55.06	58.22	-58.07	-4.20	184.14	-3.16	0.19
4	3	8	30.26	32.17	32.00	3.35	5.97	-1.91	0.25
5	3	8	26.40	25.66	-25.52	-2.67	185.97	0.73	0.30
-10	4	8	44.15	43.10	-42.90	-4.15	185.52	1.05	0.25
-9	4	8	60.31	60.47	60.37	3.56	3.38	-0.16	0.21
-8	4	8	5.12	1.23	0.28	-1.20	283.33	3.89	0.84
-7	4	8	18.16	18.08	18.08	0.21	0.67	0.08	0.24
-6	4	8	52.05	51.69	51.65	2.04	2.26	0.36	0.16
-5	4	8	25.29	25.19	-24.86	-4.05	189.25	0.11	0.19
-4	4	8	62.95	62.88	62.72	4.43	4.04	0.07	0.14
-3	4	8	30.58	29.51	29.45	-1.85	356.40	1.07	0.16
-2	4	8	35.11	34.94	34.94	0.75	1.24	0.17	0.16
-1	4	8	20.40	21.32	21.30	0.95	2.56	-0.92	0.21
0	4	8	36.89	37.53	-37.39	-3.23	184.94	-0.64	0.17
1	4	8	68.56	70.06	69.88	5.07	4.15	-1.51	0.17
2	4	8	27.60	27.32	-27.12	-3.30	186.94	0.28	0.21
3	4	8	12.74	15.61	15.58	0.88	3.23	-2.87	0.43
4	4	8	27.80	28.00	27.98	1.20	2.46	-0.21	0.30
-8	5	8	19.05	18.83	-18.63	-2.76	188.42	0.22	0.31
-7	5	8	24.60	22.56	22.36	3.06	7.79	2.04	0.24
-6	5	8	24.08	23.47	-23.27	-3.12	187.63	0.60	0.22
-5	5	8	23.65	23.04	22.98	1.63	4.05	0.61	0.22
-3	5	8	31.74	32.12	-31.98	-2.94	185.25	-0.38	0.21
-2	5	8	40.19	39.70	39.57	3.21	4.64	0.49	0.18
-1	5	8	29.99	30.48	-30.31	-3.23	186.09	-0.49	0.21
0	5	8	42.72	43.11	43.02	2.82	3.75	-0.39	0.19
1	5	8	15.11	14.00	-13.99	-0.34	181.40	1.11	0.31
2	5	8	33.50	34.74	-34.62	-2.81	184.64	-1.23	0.23
3	5	8	37.88	39.60	39.42	3.68	5.34	-1.71	0.24
-6	6	8	7.60	3.08	2.75	-1.38	333.41	4.52	0.65
-5	6	8	45.79	46.15	46.00	3.75	4.67	-0.36	0.21
-4	6	8	39.57	38.62	-38.45	-3.54	185.27	0.95	0.21
-2	6	8	9.78	11.01	11.01	-0.32	358.34	-1.24	0.49
-1	6	8	17.61	20.15	20.14	-0.45	358.72	-2.54	0.34
0	6	8	48.54	49.64	49.55	3.03	3.50	-1.10	0.21
-12	0	9	20.35	19.53	-19.52	-0.57	181.66	0.82	0.34

-11	0	9	8.49	8.10	8.05	-0.91	353.52	0.38	0.62
-10	0	9	56.35	56.41	56.31	3.24	3.29	-0.06	0.20
-9	0	9	40.35	42.64	-42.39	-4.68	186.30	-2.29	0.22
-8	0	9	25.94	26.09	25.87	3.35	7.37	-0.14	0.28
-5	0	9	45.38	45.83	45.77	2.26	2.83	-0.45	0.18
-2	0	9	57.32	54.15	-54.08	-2.68	182.84	3.18	0.16
0	0	9	25.69	23.12	23.03	1.99	4.94	2.57	0.25
1	0	9	40.50	40.37	-40.23	-3.38	184.81	0.13	0.24
2	0	9	69.53	64.72	64.55	4.65	4.12	4.81	0.24
3	0	9	69.03	64.79	-64.67	-3.93	183.48	4.25	0.19
4	0	9	11.79	12.26	-12.24	0.65	176.94	-0.46	0.47
5	0	9	28.29	27.41	27.37	1.56	3.27	0.88	0.28
-12	1	9	32.11	34.11	-33.96	-3.25	185.47	-2.00	0.28
-11	1	9	19.37	19.87	19.61	3.17	9.17	-0.50	0.34
-10	1	9	19.61	19.79	-19.61	-2.66	187.74	-0.18	0.31
-9	1	9	10.31	8.34	8.33	0.24	1.63	1.97	0.53
-8	1	9	43.30	43.50	43.41	2.88	3.80	-0.20	0.25
-7	1	9	31.69	30.20	-29.98	-3.66	186.96	1.49	0.23
-6	1	9	26.97	25.16	24.94	3.35	7.66	1.81	0.20
-5	1	9	63.36	61.55	-61.44	-3.69	183.44	1.81	0.13
-4	1	9	70.30	70.83	70.79	2.29	1.85	-0.53	0.10
-3	1	9	40.81	42.45	42.41	1.92	2.60	-1.64	0.10
-2	1	9	86.91	89.91	-89.79	-4.79	183.05	-3.00	0.12
-1	1	9	49.57	50.83	50.64	4.34	4.90	-1.26	0.16
0	1	9	28.08	27.22	-27.04	-3.10	186.55	0.87	0.23
1	1	9	10.75	5.12	4.76	1.90	21.74	5.63	0.45
3	1	9	16.25	15.10	-14.83	-2.87	190.96	1.15	0.36
4	1	9	8.16	8.64	7.73	3.86	26.50	-0.48	0.64
5	1	9	27.48	26.63	-26.41	-3.48	187.50	0.85	0.29
-11	2	9	8.43	8.21	-8.17	0.79	174.46	0.22	0.79
-10	2	9	31.18	31.23	-31.07	-3.16	185.80	-0.05	0.26
-9	2	9	38.14	38.25	37.99	4.43	6.65	-0.11	0.21
-8	2	9	46.42	44.21	-44.08	-3.39	184.40	2.21	0.23
-7	2	9	7.65	5.22	-5.13	0.95	169.47	2.44	0.46
-6	2	9	8.91	9.22	9.20	0.49	3.05	-0.31	0.38
-5	2	9	23.53	23.17	-23.06	-2.24	185.54	0.36	0.18
-4	2	9	53.38	54.98	54.81	4.29	4.47	-1.59	0.14
-3	2	9	69.95	72.98	-72.81	-4.95	183.89	-3.03	0.13
-2	2	9	31.34	33.04	32.95	2.45	4.25	-1.70	0.16
-1	2	9	25.86	26.90	26.90	0.48	1.01	-1.05	0.19
0	2	9	17.64	16.86	-16.74	-2.02	186.87	0.78	0.24
1	2	9	10.82	14.16	13.82	3.10	12.66	-3.34	0.48
2	2	9	58.55	58.18	-58.00	-4.60	184.53	0.38	0.18
3	2	9	63.93	64.19	64.08	3.72	3.32	-0.26	0.20
5	2	9	25.77	23.76	-23.71	-1.60	183.85	2.01	0.32
-11	3	9	22.76	22.31	-22.11	-2.98	187.67	0.46	0.36
-10	3	9	20.85	20.00	19.84	2.51	7.20	0.84	0.31
-9	3	9	7.29	4.05	-4.04	-0.21	183.03	3.25	0.58
-8	3	9	41.14	40.43	-40.34	-2.72	183.85	0.71	0.18
-7	3	9	26.29	25.89	25.66	3.42	7.59	0.40	0.19
-6	3	9	22.70	21.87	-21.64	-3.13	188.22	0.83	0.24
-5	3	9	50.33	50.72	50.60	3.46	3.91	-0.39	0.18
-4	3	9	58.25	57.04	-57.00	-2.16	182.17	1.21	0.17
-3	3	9	32.29	32.40	-32.35	-1.80	183.19	-0.11	0.18
-2	3	9	72.29	72.32	72.19	4.49	3.56	-0.03	0.17
-1	3	9	46.89	47.76	-47.59	-4.07	184.89	-0.87	0.19
0	3	9	30.25	29.61	29.46	2.91	5.65	0.64	0.23
2	3	9	6.76	7.02	-7.01	-0.32	182.64	-0.26	0.63
3	3	9	15.46	16.63	16.41	2.70	9.34	-1.17	0.35
4	3	9	9.02	9.12	-8.37	-3.61	203.31	-0.09	0.70

-10	4	9	47.20	44.37	44.28	2.85	3.68	2.83	0.23
-9	4	9	34.56	33.48	-33.22	-4.12	187.07	1.08	0.24
-8	4	9	19.75	20.72	20.52	2.93	8.12	-0.97	0.29
-7	4	9	5.12	4.28	-4.17	-0.97	193.05	0.84	0.72
-6	4	9	6.93	5.79	-5.76	-0.53	185.21	1.14	0.50
-5	4	9	33.73	33.55	33.49	1.96	3.36	0.19	0.17
-4	4	9	39.57	39.02	-38.82	-3.97	185.84	0.55	0.16
-3	4	9	32.10	32.18	31.88	4.34	7.75	-0.08	0.17
-2	4	9	38.20	39.48	-39.41	-2.35	183.42	-1.28	0.16
-1	4	9	5.36	1.20	1.10	-0.48	336.50	4.16	0.58
0	4	9	15.90	16.22	16.13	1.74	6.16	-0.33	0.25
1	4	9	27.12	28.55	-28.40	-2.94	185.92	-1.44	0.22
2	4	9	48.89	49.95	49.78	4.09	4.70	-1.06	0.20
3	4	9	50.70	51.07	-50.95	-3.47	183.90	-0.37	0.22
-8	5	9	30.69	29.26	29.17	2.39	4.69	1.42	0.24
-7	5	9	22.25	21.91	-21.71	-3.00	187.86	0.34	0.28
-6	5	9	16.10	15.67	15.43	2.71	9.97	0.43	0.30
-5	5	9	43.96	43.76	-43.66	-3.07	184.03	0.19	0.18
-4	5	9	50.76	50.44	50.41	1.96	2.22	0.32	0.17
-3	5	9	32.70	32.75	32.71	1.62	2.83	-0.06	0.19
-2	5	9	65.53	66.73	-66.61	-4.02	183.45	-1.19	0.17
-1	5	9	31.42	32.50	32.30	3.56	6.30	-1.08	0.20
0	5	9	15.07	14.15	-13.93	-2.51	190.21	0.91	0.31
-5	6	9	15.43	12.62	-12.51	-1.69	187.69	2.80	0.35
-4	6	9	30.35	30.64	30.47	3.30	6.18	-0.29	0.23
-3	6	9	41.51	42.43	-42.25	-3.86	185.22	-0.92	0.21
-2	6	9	22.56	21.60	21.51	1.89	5.03	0.97	0.27
-1	6	9	14.60	14.29	14.29	0.40	1.61	0.30	0.35
-11	0	10	15.46	18.79	18.79	0.36	1.10	-3.33	0.40
-10	0	10	18.74	18.06	18.03	-0.93	357.06	0.68	0.31
-9	0	10	16.80	19.38	19.19	2.77	8.22	-2.59	0.40
-8	0	10	44.13	43.83	-43.58	-4.66	186.10	0.30	0.24
-7	0	10	87.90	88.00	87.89	4.42	2.88	-0.11	0.21
-6	0	10	13.42	15.35	15.34	-0.54	357.97	-1.93	0.43
-5	0	10	9.81	7.71	-7.52	-1.70	192.76	2.10	0.49
-2	0	10	83.51	80.64	80.51	4.56	3.24	2.86	0.17
-1	0	10	10.49	10.23	10.07	-1.77	350.03	0.26	0.50
0	0	10	18.74	17.01	-17.00	-0.75	182.53	1.73	0.34
1	0	10	15.50	14.06	13.86	2.36	9.68	1.45	0.37
2	0	10	13.44	11.36	-10.90	-3.20	196.37	2.09	0.48
3	0	10	56.37	55.16	54.98	4.44	4.62	1.21	0.21
4	0	10	38.52	37.17	-37.02	-3.26	185.03	1.35	0.25
-11	1	10	28.27	28.59	-28.41	-3.23	186.49	-0.32	0.28
-10	1	10	41.51	42.13	42.02	3.01	4.10	-0.61	0.23
-9	1	10	23.20	22.27	-22.14	-2.40	186.19	0.93	0.35
-8	1	10	16.35	12.31	-12.31	-0.04	180.20	4.04	0.32
-7	1	10	55.12	53.96	53.86	3.29	3.50	1.16	0.20
-6	1	10	51.90	50.70	-50.51	-4.48	185.06	1.20	0.17
-5	1	10	34.72	34.43	34.26	3.48	5.80	0.29	0.14
-4	1	10	23.63	22.97	-22.86	-2.30	185.76	0.66	0.13
-3	1	10	15.81	16.27	16.24	1.07	3.77	-0.46	0.19
-2	1	10	15.67	16.35	-16.28	1.45	174.92	-0.68	0.23
-1	1	10	44.37	46.88	-46.69	-4.24	185.19	-2.51	0.18
0	1	10	57.00	56.62	56.44	4.49	4.55	0.37	0.21
1	1	10	26.85	26.42	-26.26	-2.90	186.31	0.43	0.29
2	1	10	11.54	12.13	12.04	1.55	7.32	-0.59	0.61
4	1	10	42.06	41.76	-41.62	-3.37	184.63	0.31	0.24
-11	2	10	8.17	1.64	-1.64	-0.08	182.74	6.52	0.82
-10	2	10	10.54	5.61	5.48	1.19	12.20	4.93	0.50
-9	2	10	28.45	27.21	27.11	-2.31	355.13	1.25	0.30

-8	2	10	81.06	79.98	79.84	4.86	3.48	1.08	0.22
-7	2	10	71.53	70.27	-70.16	-4.03	183.29	1.26	0.19
-6	2	10	17.91	19.06	19.04	0.84	2.53	-1.14	0.24
-5	2	10	56.44	59.30	59.26	2.03	1.96	-2.86	0.15
-4	2	10	29.20	29.05	-28.92	-2.70	185.33	0.15	0.16
-3	2	10	66.05	68.74	68.61	4.23	3.53	-2.70	0.14
-2	2	10	18.02	17.30	-16.83	-4.03	193.48	0.72	0.23
-1	2	10	15.45	17.24	17.12	2.01	6.70	-1.79	0.26
0	2	10	22.80	23.08	23.06	0.98	2.42	-0.29	0.25
1	2	10	26.17	26.38	26.31	-1.94	355.78	-0.21	0.27
2	2	10	55.24	56.65	56.54	3.46	3.50	-1.41	0.26
3	2	10	30.13	28.46	-28.18	-4.01	188.09	1.67	0.27
4	2	10	49.13	49.18	49.06	3.43	3.99	-0.05	0.26
-10	3	10	39.32	38.57	-38.46	-2.82	184.19	0.76	0.24
-9	3	10	18.66	16.90	16.75	2.25	7.65	1.77	0.28
-8	3	10	13.77	14.82	14.82	0.05	0.19	-1.05	0.41
-7	3	10	45.16	44.68	-44.57	-3.09	183.96	0.48	0.21
-6	3	10	39.55	39.51	39.29	4.19	6.08	0.03	0.21
-5	3	10	28.29	29.01	-28.83	-3.25	186.43	-0.72	0.20
-4	3	10	22.10	22.20	22.10	2.16	5.57	-0.10	0.22
-3	3	10	18.76	18.25	-18.22	-1.02	183.20	0.51	0.23
-2	3	10	14.33	15.31	15.25	-1.34	354.97	-0.98	0.29
-1	3	10	44.22	46.60	46.43	3.99	4.91	-2.38	0.20
0	3	10	53.38	54.07	-53.91	-4.22	184.48	-0.69	0.22
1	3	10	19.85	19.84	19.66	2.70	7.83	0.01	0.29
2	3	10	6.19	7.80	-7.67	-1.44	190.66	-1.62	0.80
-9	4	10	14.97	14.83	14.64	2.41	9.35	0.13	0.37
-8	4	10	38.18	36.67	-36.44	-4.12	186.45	1.51	0.21
-7	4	10	70.37	70.16	70.05	3.94	3.22	0.20	0.17
-6	4	10	12.35	11.97	11.96	-0.45	357.84	0.38	0.36
-5	4	10	6.01	8.06	-7.91	-1.52	190.86	-2.04	0.71
-4	4	10	43.30	43.99	43.91	2.72	3.55	-0.69	0.21
-3	4	10	30.64	30.36	-30.15	-3.54	186.70	0.28	0.23
-2	4	10	58.06	61.28	61.15	4.02	3.76	-3.22	0.21
-1	4	10	7.63	8.97	8.84	-1.53	350.20	-1.34	0.61
0	4	10	11.84	13.20	-13.18	-0.66	182.88	-1.36	0.39
1	4	10	11.03	10.14	9.93	2.06	11.73	0.89	0.44
2	4	10	12.33	8.48	-8.01	-2.78	199.17	3.85	0.43
-7	5	10	39.02	39.11	39.01	2.74	4.02	-0.09	0.21
-6	5	10	37.71	37.75	-37.57	-3.71	185.64	-0.04	0.20
-5	5	10	21.70	22.53	22.35	2.84	7.24	-0.83	0.25
-4	5	10	12.70	13.04	-12.91	-1.86	188.20	-0.34	0.35
-3	5	10	10.48	9.63	9.59	0.89	5.28	0.84	0.39
-2	5	10	11.64	10.02	-9.95	1.17	173.31	1.61	0.38
-1	5	10	29.82	29.83	-29.63	-3.49	186.72	-0.01	0.22
0	5	10	35.99	37.87	37.68	3.70	5.61	-1.88	0.22
-11	0	11	6.87	2.80	2.13	1.82	40.51	4.06	0.87
-10	0	11	36.96	38.58	38.57	0.96	1.43	-1.62	0.30
-9	0	11	22.19	21.94	-21.81	-2.36	186.19	0.25	0.35
-8	0	11	24.76	24.30	24.11	3.05	7.20	0.46	0.31
-7	0	11	23.69	22.94	-22.61	-3.93	189.85	0.74	0.28
-6	0	11	41.56	40.60	40.46	3.26	4.61	0.97	0.21
-5	0	11	27.75	25.78	-25.77	-0.70	181.55	1.97	0.23
-3	0	11	28.00	23.64	23.45	3.03	7.35	4.36	0.22
-2	0	11	38.10	37.42	-37.23	-3.78	185.80	0.68	0.22
-1	0	11	41.84	39.06	38.85	4.06	5.97	2.77	0.23
0	0	11	45.60	44.12	-44.06	-2.40	183.11	1.48	0.25
1	0	11	36.46	34.44	-34.41	-1.46	182.42	2.01	0.28
2	0	11	48.69	48.08	47.95	3.44	4.11	0.61	0.28
3	0	11	11.20	10.79	-10.22	-3.44	198.59	0.41	0.63

-11	1	11	40.49	42.09	41.92	3.75	5.11	-1.59	0.25
-10	1	11	57.70	56.07	-55.92	-4.11	184.21	1.62	0.28
-9	1	11	36.11	33.03	32.93	2.59	4.49	3.08	0.29
-8	1	11	25.67	25.06	-25.01	-1.47	183.36	0.62	0.29
-7	1	11	6.14	6.10	6.09	-0.27	357.43	0.04	0.74
-6	1	11	42.60	41.96	41.83	3.31	4.53	0.64	0.16
-5	1	11	59.71	60.81	-60.63	-4.69	184.42	-1.10	0.12
-4	1	11	13.87	14.15	13.77	3.23	13.19	-0.27	0.21
-3	1	11	19.08	19.58	-19.49	-1.83	185.37	-0.50	0.18
-2	1	11	27.72	27.87	27.86	0.74	1.53	-0.16	0.18
-1	1	11	20.04	19.92	19.83	1.89	5.43	0.11	0.28
0	1	11	58.73	59.53	-59.35	-4.57	184.40	-0.80	0.23
1	1	11	49.13	48.22	48.01	4.54	5.40	0.91	0.26
2	1	11	20.91	19.96	-19.81	-2.38	186.85	0.95	0.39
3	1	11	13.15	9.09	-9.09	0.31	178.06	4.06	0.48
-10	2	11	28.08	27.22	-27.20	-1.00	182.10	0.86	0.34
-9	2	11	18.49	19.10	18.98	2.20	6.60	-0.61	0.36
-8	2	11	46.60	45.79	-45.68	-3.11	183.89	0.81	0.23
-7	2	11	25.44	27.76	27.51	3.73	7.71	-2.32	0.24
-6	2	11	13.24	13.22	-12.83	-3.18	193.91	0.03	0.29
-5	2	11	10.74	10.74	10.73	0.54	2.89	0.00	0.29
-4	2	11	14.29	14.48	14.35	1.91	7.59	-0.19	0.24
-3	2	11	17.52	19.24	-19.00	-3.01	189.01	-1.72	0.23
-2	2	11	44.42	46.40	46.26	3.59	4.44	-1.99	0.17
-1	2	11	30.72	31.42	-31.16	-4.02	187.35	-0.69	0.21
0	2	11	35.84	35.99	35.92	2.22	3.53	-0.15	0.23
1	2	11	12.64	11.09	11.02	1.25	6.49	1.55	0.48
2	2	11	48.48	49.13	-49.01	-3.44	184.02	-0.65	0.29
-9	3	11	27.65	25.77	-25.66	-2.41	185.36	1.87	0.31
-8	3	11	21.60	20.90	20.85	1.37	3.76	0.70	0.31
-7	3	11	10.47	10.27	-10.27	0.23	178.70	0.20	0.43
-6	3	11	34.74	34.40	-34.26	-3.10	185.17	0.34	0.21
-5	3	11	55.99	58.44	58.27	4.41	4.33	-2.45	0.18
-4	3	11	15.94	16.09	-15.80	-3.02	190.84	-0.15	0.30
-3	3	11	14.37	14.67	14.57	1.70	6.67	-0.29	0.29
-2	3	11	21.44	22.90	-22.89	-0.71	181.76	-1.46	0.25
-1	3	11	17.71	18.16	-18.08	-1.76	185.57	-0.46	0.29
0	3	11	53.84	55.23	55.06	4.30	4.47	-1.39	0.23
1	3	11	38.34	40.86	-40.64	-4.25	185.97	-2.53	0.28
-8	4	11	19.47	19.34	19.15	2.66	7.91	0.13	0.35
-7	4	11	19.84	18.98	-18.67	-3.44	190.46	0.85	0.31
-6	4	11	32.08	32.11	31.98	2.87	5.12	-0.03	0.25
-5	4	11	19.20	19.25	-19.24	-0.61	181.82	-0.05	0.30
-4	4	11	32.93	33.42	-33.36	-1.90	183.25	-0.49	0.23
-3	4	11	18.64	17.38	17.18	2.64	8.73	1.27	0.27
-2	4	11	26.97	28.03	-27.84	-3.30	186.77	-1.06	0.26
-1	4	11	29.67	31.68	31.48	3.59	6.51	-2.01	0.27
0	4	11	34.96	36.16	-36.10	-2.14	183.39	-1.21	0.27
-5	5	11	39.65	39.93	-39.75	-3.87	185.56	-0.29	0.19
-4	5	11	7.20	7.05	6.55	2.61	21.76	0.15	0.67
-3	5	11	13.67	13.93	-13.85	-1.49	186.16	-0.26	0.37