AM-93-540

Foitite, $[\,][Fe_2^{2+}(Al,Fe^{3+})]Al_6Si_6O_{18}(BO_3)_3(OH)_4$, a new alkali-deficient tourmaline: Description and crystal structure

Daniel J. MacDonald, Frank C. Hawthorne, Joel D. Grice

For deposit: Table 5

American Mineralogist, 78, 11-12, 1300-1304.

STRUCTURE-FACTOR TABLES FOR FOITITE

FOR DEPOSIT

T27 in R3m

h	k	l	Fo	Fc	A	B	Phi	Del(F)	Sig*(F)
0	1	-10	58.33	58.57	-3.08	58.49	93.01	-0.24	1.47
0	0	-9	74.69	74.46	57.35	47.48	39.62	0.23	1.85
-1	2	-9	7.70	5.49	-0.94	5.41	99.85	2.21	0.98
-3	3	-9	49.49	49.62	47.17	-15.39	341.94	-0.13	1.25
0	3	-9	88.18	87.49	35.39	-80.02	293.86	0.69	2.20
-2	4	-9	29.10	28.54	-1.93	-28.48	266.12	0.55	0.80
-4	5	-9	109.12	110.51	-79.32	76.94	135.87	-1.39	2.70
-1	5	-9	60.77	60.02	-36.23	47.85	127.13	0.75	1.52
-6	6	-9	114.50	115.81	-10.99	115.29	95.45	-1.31	2.82
-3	6	-9	36.24	36.27	27.17	-24.03	318.51	-0.03	0.95
0	6	-9	106.06	106.49	-104.11	22.36	167.88	-0.43	2.64
-5	7	-9	25.05	24.62	-9.60	22.67	112.95	0.43	0.75
-2	7	-9	29.35	29.18	-6.97	-28.33	256.18	0.17	0.82
-7	8	-9	38.79	38.45	-4.85	-38.14	262.76	0.34	1.02
-4	8	-9	53.75	52.95	46.64	-25.07	331.74	0.80	1.35
-1	8	-9	45.78	45.71	33.24	-31.37	316.66	0.07	1.18
-6	9	-9	45.63	44.03	29.58	32.61	47.79	1.60	1.17
-3	9	-9	34.28	33.86	-25.47	-22.31	221.22	0.42	0.91
-5	10	-9	24.21	24.64	-1.53	24.59	93.57	-0.43	0.75
-1	1	-8	105.47	105.96	-87.79	59.33	145.95	-0.49	2.59
0	2	-8	40.80	42.48	18.27	38.35	64.53	-1.68	1.05
-2	3	-8	48.94	49.71	-0.85	-49.70	269.02	-0.77	1.24
-4	4	-8	40.13	41.20	-40.65	6.72	170.61	-1.07	1.03
-1	4	-8	35.01	35.27	16.53	31.16	62.06	-0.27	0.92
-3	5	-8	63.58	63.10	48.36	-40.54	320.03	0.48	1.59
0	5	-8	15.01	13.58	-12.82	4.50	160.67	1.43	0.60
-5	6	-8	97.01	99.21	-80.30	-58.25	215.96	-2.20	2.41
-2	6	-8	27.72	27.74	-2.72	-27.60	264.37	-0.01	0.76
-7	7	-8	9.54	9.36	9.34	0.60	3.67	0.18	0.77
-4	7	-8	85.12	85.74	78.54	34.39	23.65	-0.62	2.12
-1	7	-8	31.25	31.34	-13.24	28.41	114.99	-0.09	0.84
-6	8	-8	55.87	55.49	44.72	-32.85	323.70	0.38	1.41
-3	8	-8	68.52	69.70	67.79	16.22	13.45	-1.18	1.71
0	8	-8	32.74	32.94	28.48	-16.55	329.83	-0.20	0.87
-8	9	-8	33.61	32.99	25.52	-20.90	320.68	0.62	0.89
-5	9	-8	109.11	109.57	-108.53	-15.11	187.93	-0.47	2.69
-2	9	-8	40.25	40.16	9.37	-39.05	283.49	0.09	1.04
-10	10	-8	12.32	12.29	-1.91	12.14	98.94	0.03	0.71
-7	10	-8	20.25	20.28	6.57	19.19	71.09	-0.03	0.69
-4	10	-8	83.80	83.59	-58.60	59.61	134.51	0.20	2.07
-1	10	-8	12.02	12.17	-3.15	-11.75	254.97	-0.15	0.72
-9	11	-8	33.07	34.08	-2.69	33.98	94.52	-1.02	0.88
-6	11	-8	135.36	136.00	-116.55	70.08	148.98	-0.63	3.35
-3	11	-8	12.87	11.71	10.50	-5.18	333.72	1.16	0.72
0	11	-8	47.34	46.22	-42.48	-18.21	203.21	1.12	1.21
-11	12	-8	27.47	25.39	18.78	17.08	42.29	2.08	0.79
-8	12	-8	28.69	28.22	-13.12	-24.99	242.29	0.47	0.80
-5	12	-8	48.91	47.10	-43.13	18.93	156.30	1.81	1.24
-2	12	-8	38.42	38.40	-7.87	-37.58	258.18	0.02	1.01
-10	13	-8	39.47	39.19	32.23	-22.29	325.33	0.28	1.04
-7	13	-8	66.20	64.21	61.18	-19.49	342.33	1.99	1.65
-4	13	-8	47.26	47.08	42.54	-20.17	334.63	0.18	1.21
0	1	-7	91.15	94.64	30.48	-89.60	288.79	-3.49	2.25
-2	2	-7	62.03	62.36	47.31	40.62	40.65	-0.33	1.55
-1	3	-7	42.25	40.74	38.97	-11.88	343.04	1.51	1.08
-3	4	-7	13.19	13.88	-10.49	-9.09	220.90	-0.69	0.57
0	4	-7	78.58	76.86	-56.32	-52.30	222.88	1.72	1.95
-5	5	-7	55.89	57.73	-20.73	53.88	111.05	-1.84	1.40
-2	5	-7	56.63	56.51	23.38	51.45	65.56	0.12	1.41
-4	6	-7	27.88	27.90	-15.64	23.10	124.09	-0.02	0.75
-1	6	-7	133.76	133.23	-129.98	29.28	167.31	0.52	3.27
-6	7	-7	36.59	36.63	6.63	36.02	79.57	-0.04	0.95
-3	7	-7	85.45	85.17	81.27	-25.51	342.58	0.28	2.11
0	7	-7	23.98	24.06	6.54	-23.15	285.78	-0.08	0.68
-8	8	-7	74.74	73.55	69.82	23.13	18.33	1.19	1.85
-5	8	-7	64.70	65.72	65.56	4.68	4.09	-1.03	1.61
-2	8	-7	20.77	19.93	1.15	-19.90	273.30	0.84	0.64
-7	9	-7	33.78	34.67	-32.77	-11.33	199.08	-0.90	0.88
-4	9	-7	17.01	17.71	-13.62	-11.32	219.75	-0.70	0.61
-1	9	-7	39.17	39.52	-18.83	34.75	118.46	-0.35	1.01
-9	10	-7	37.29	37.42	-37.33	2.53	176.13	-0.13	0.97
-6	10	-7	45.59	46.63	33.42	-32.52	315.79	-1.05	1.16
-3	10	-7	79.64	80.13	79.19	-12.24	351.21	-0.49	1.99
0	10	-7	26.60	27.41	-3.65	27.17	97.65	-0.82	0.75
-11	11	-7	93.03	92.44	-89.89	21.56	166.51	0.59	2.30
-8	11	-7	38.40	38.43	28.18	-26.12	317.17	-0.03	0.99
-5	11	-7	93.39	93.98	2.87	-93.93	271.75	-0.59	2.30
-2	11	-7	28.27	27.68	25.69	-10.31	338.13	0.59	0.78
-10	12	-7	31.78	30.64	-30.35	-4.24	187.96	1.14	0.86
-7	12	-7	39.52	39.35	-31.40	-23.72	217.06	0.17	1.03
-4	12	-7	18.29	19.19	6.64	18.00	69.74	-0.90	0.65
-1	12	-7	40.16	41.10	7.56	40.40	79.40	-0.93	1.03
-12	13	-7	14.51	14.52	14.22	-2.95	348.30	-0.01	0.68
-9	13	-7	76.00	76.93	74.62	18.72	14.08	-0.93	1.88
-6	13	-7	55.37	55.71	53.84	-14.30	345.13	-0.34	1.40
-3	13	-7	42.43	42.46	-5.36	42.12	97.26	-0.04	1.09
0	13	-7	51.89	51.64	0.95	51.63	88.94	0.25	1.31
-11	14	-7	31.04	31.19	-11.58	28.96	111.81	-0.15	0.84
-8	14	-7	40.55	42.04	40.83	10.02	13.78	-1.49	1.05
-5	14	-7	52.84	52.77	-25.15	-46.39	241.53	0.08	1.34
-2	14	-7	49.56	49.31	27.26	-41.09	303.56	0.25	1.26

-10	15	-7	50.78	49.99	-49.98	-0.86	180.99	0.79	1.29
-7	15	-7	46.09	45.19	40.68	19.68	25.81	0.90	1.17
-4	15	-7	60.80	60.98	-57.52	20.26	160.60	-0.18	1.53
-9	16	-7	48.83	48.58	0.93	48.57	88.91	0.25	1.25
0	0	-6	251.45	262.97	-50.58	258.06	101.09	-11.52	5.98
-1	2	-6	43.33	43.33	-42.44	-8.75	191.65	0.00	1.09
-3	3	-6	73.70	72.75	41.91	59.46	54.83	0.96	1.82
0	3	-6	120.01	124.98	81.46	94.79	49.33	-4.97	2.93
-2	4	-6	40.69	42.58	13.10	-40.51	287.92	-1.88	1.03
-4	5	-6	96.78	96.78	-93.95	-23.25	193.90	0.00	2.41
-1	5	-6	40.27	39.75	25.28	-30.68	309.49	0.52	1.03
-6	6	-6	157.13	157.29	-139.91	-71.88	207.19	-0.16	3.79
-3	6	-6	74.75	76.15	75.83	-7.03	354.70	-1.40	1.85
0	6	-6	79.20	74.79	23.55	-70.99	288.36	4.41	1.95
-5	7	-6	21.32	20.88	20.84	1.23	3.39	0.44	0.62
-2	7	-6	43.78	44.31	38.05	22.72	30.84	-0.53	1.11
-7	8	-6	50.31	49.73	49.66	-2.70	356.89	0.58	1.26
-4	8	-6	70.32	72.28	56.49	45.09	38.59	-1.97	1.76
-1	8	-6	21.55	20.26	18.40	8.49	24.77	1.29	0.64
-9	9	-6	89.89	89.70	-72.04	-53.45	216.57	0.19	2.23
-6	9	-6	41.26	40.86	-37.75	15.65	157.48	0.40	1.05
-3	9	-6	27.08	27.69	27.65	-1.46	356.97	-0.61	0.73
0	9	-6	81.42	80.48	41.55	-68.93	301.08	0.94	2.02
-8	10	-6	72.72	73.98	65.79	33.83	27.21	-1.27	1.80
-5	10	-6	142.70	144.79	-138.12	43.43	162.55	-2.09	3.47
-2	10	-6	30.88	31.28	-19.80	24.21	129.28	-0.39	0.82
-10	11	-6	84.12	85.83	85.82	-1.25	359.16	-1.71	2.08
-7	11	-6	36.53	37.64	-9.15	36.51	104.07	-1.11	0.95
-4	11	-6	60.01	59.66	-27.33	53.04	117.26	0.35	1.51
-1	11	-6	92.12	93.65	-92.79	12.65	172.24	-1.53	2.29
-12	12	-6	48.82	48.53	-29.04	-38.88	233.24	0.29	1.24
-9	12	-6	45.82	45.50	-38.60	-24.09	211.96	0.32	1.17
-6	12	-6	88.45	88.99	-53.78	70.90	127.18	-0.54	2.21
-3	12	-6	68.95	67.59	56.47	-37.15	326.66	1.36	1.71
0	12	-6	84.83	87.28	33.45	-80.62	292.54	-2.45	2.11
-11	13	-6	67.33	67.29	67.20	-3.46	357.05	0.04	1.67
-5	13	-6	35.40	34.49	21.65	26.85	51.12	0.91	0.92
-2	13	-6	18.81	19.43	-17.66	-8.11	204.67	-0.62	0.64
-13	14	-6	32.57	33.56	26.79	20.21	37.04	-0.99	0.87
-10	14	-6	6.78	6.29	2.20	-5.89	290.47	0.49	1.00
-7	14	-6	76.38	75.88	75.76	4.29	3.24	0.51	1.90
-4	14	-6	22.55	22.99	17.81	-14.54	320.77	-0.44	0.69
-1	14	-6	28.75	28.21	17.16	22.39	52.53	0.55	0.79
-15	15	-6	66.79	66.31	-65.47	10.49	170.90	0.48	1.67
-12	15	-6	10.92	9.73	6.28	-7.43	310.18	1.19	0.73
-9	15	-6	35.65	35.58	-35.35	4.07	173.43	0.06	0.93
-6	15	-6	14.71	11.19	6.99	8.74	51.35	3.52	0.64
-3	15	-6	10.63	10.23	8.57	5.59	33.10	0.40	0.76
0	15	-6	81.77	83.21	-78.92	26.40	161.50	-1.44	2.04
-14	16	-6	37.30	36.29	-16.52	32.31	117.08	1.01	0.98
-11	16	-6	116.66	117.94	-112.14	-36.54	198.05	-1.28	2.87
-8	16	-6	38.54	38.69	19.51	-33.42	300.27	-0.15	1.00
-5	16	-6	45.66	44.62	-11.61	-43.08	254.91	1.04	1.17
-2	16	-6	26.37	25.79	11.84	22.90	62.65	0.58	0.77
-13	17	-6	11.29	10.01	6.26	-7.82	308.68	1.28	0.76
-10	17	-6	39.07	39.87	-12.98	-37.70	251.00	-0.80	1.02
-7	17	-6	48.56	46.68	40.49	-23.25	330.14	1.87	1.24
-4	17	-6	67.56	66.21	66.05	-4.54	356.07	1.36	1.69
-9	18	-6	70.07	69.20	20.66	66.04	72.63	0.87	1.75
-1	1	-5	168.31	169.57	-9.74	-169.29	266.71	-1.26	4.02
0	2	-5	53.81	50.54	12.91	48.86	75.20	3.27	1.34
-2	3	-5	29.77	30.20	18.40	23.95	52.46	-0.43	0.77
-4	4	-5	140.65	143.04	-11.36	-142.59	265.44	-2.39	3.39
-1	4	-5	11.59	12.49	-5.27	-11.32	245.03	-0.90	0.52
-3	5	-5	106.62	108.94	27.48	105.42	75.39	-2.32	2.61
0	5	-5	328.44	330.65	-330.29	15.45	177.32	-2.21	7.78
-5	6	-5	28.46	29.98	-21.34	-21.05	224.60	-1.51	0.75
-2	6	-5	8.63	6.92	-3.12	6.17	116.79	1.71	0.59
-7	7	-5	35.64	36.23	36.20	1.65	2.60	-0.59	0.91
-4	7	-5	111.76	111.17	108.54	24.06	12.50	0.59	2.73
-1	7	-5	78.91	79.57	-79.36	5.80	175.82	-0.66	1.96
-6	8	-5	30.63	31.97	28.60	14.30	26.56	-1.34	0.80
0	8	-5	92.10	94.03	-30.85	88.83	109.15	-1.94	2.31
-8	9	-5	54.77	55.95	31.43	46.28	55.82	-1.17	1.37
-5	9	-5	47.01	47.40	16.65	-44.38	290.56	-0.40	1.19
-2	9	-5	72.09	72.31	72.09	5.69	4.51	-0.22	1.79
-10	10	-5	112.80	116.52	-114.49	-21.63	190.70	-3.72	2.78
-7	10	-5	27.64	27.81	-15.44	-23.13	236.27	-0.17	0.74
-4	10	-5	89.29	89.75	-66.03	-60.79	222.64	-0.46	2.20
-1	10	-5	16.04	15.26	2.45	-15.07	279.23	0.78	0.56
-9	11	-5	80.96	81.02	-80.90	-4.45	183.15	-0.06	2.00
-6	11	-5	197.31	199.66	-115.56	-162.82	234.63	-2.35	4.73
-3	11	-5	40.51	40.11	40.10	0.54	0.77	0.40	1.04
0	11	-5	75.07	74.18	61.23	-41.86	325.64	0.90	1.87
-11	12	-5	75.09	76.22	-75.30	11.80	171.09	-1.13	1.86
-8	12	-5	64.18	64.26	52.07	37.65	35.87	-0.07	1.59
-5	12	-5	78.84	79.25	47.40	-63.52	306.73	-0.42	1.95
-2	12	-5	43.27	43.54	41.31	-13.76	341.58	-0.27	1.10
-13	13	-5	65.06	63.56	62.02	13.91	12.65	1.50	1.63
-10	13	-5	103.24	102.05	63.16	80.15	51.76	1.19	2.54
-7	13	-5	54.38	54.41	54.40	-0.62	359.35	-0.03	1.37
-4	13	-5	85.08	85.62	-56.66	64.19	131.44	-0.54	2.10
-1	13	-5	55.25	55.75	-13.89	53.99	104.42	-0.50	1.38
-12	14	-5	22.72	23.51	-23.47	1.32	176.79	-0.80	0.68
-9	14	-5	71.68	72.57	-13.20	-71.36	259.52	-0.88	1.79
-6	14	-5	40.71	41.37	31.90	26.35	39.56	-0.66	1.04

-3	14	-5	52.90	52.97	52.45	7.40	8.03	-0.07	1.33
0	14	-5	76.88	78.19	77.90	-6.72	355.07	-1.31	1.91
-14	15	-5	51.82	51.41	-39.00	-33.50	220.67	0.41	1.31
-11	15	-5	13.93	10.25	-3.31	9.70	108.84	3.68	0.62
-8	15	-5	68.21	68.82	52.12	44.95	40.77	-0.61	1.70
-5	15	-5	148.29	150.81	-141.51	-52.12	200.22	-2.52	3.62
-2	15	-5	15.43	15.04	-1.08	-15.00	265.86	0.38	0.63
-16	16	-5	103.37	103.68	-43.49	-94.12	245.20	-0.31	2.54
-13	16	-5	72.54	71.76	68.88	20.12	16.28	0.78	1.80
-10	16	-5	41.68	40.78	-26.87	-30.68	228.79	0.90	1.07
-7	16	-5	59.68	61.05	-41.61	44.67	132.96	-1.37	1.50
-4	16	-5	91.81	92.55	-87.99	28.69	161.94	-0.74	2.27
-1	16	-5	107.51	108.85	-75.71	-78.21	225.93	-1.34	2.66
-15	17	-5	26.16	25.55	3.89	-25.25	278.77	0.61	0.76
-12	17	-5	42.28	40.48	24.54	-32.19	307.32	1.80	1.09
-9	17	-5	24.14	23.57	23.12	4.56	11.14	0.57	0.72
-6	17	-5	66.69	65.86	-65.79	-3.00	182.61	0.83	1.68
-3	17	-5	78.44	78.78	72.66	30.45	22.74	-0.34	1.96
-14	18	-5	71.02	70.76	49.43	50.62	45.68	0.26	1.77
-11	18	-5	60.67	61.14	22.51	56.85	68.40	-0.48	1.52
-8	18	-5	26.75	27.49	17.63	-21.09	309.89	-0.75	0.77
-5	18	-5	29.56	28.54	1.13	28.52	87.73	1.02	0.82
-13	19	-5	13.62	12.68	12.01	4.06	18.66	0.95	0.72
-7	19	-5	45.38	45.17	8.26	44.41	79.46	0.22	1.17
0	1	-4	95.80	88.71	56.07	-68.74	309.21	7.09	2.33
-2	2	-4	104.99	104.14	-23.68	101.42	103.14	0.84	2.54
-1	3	-4	33.01	34.08	5.93	33.56	79.97	-1.07	0.84
-3	4	-4	56.02	53.74	-20.50	49.67	112.43	2.28	1.39
0	4	-4	158.37	158.83	147.82	-58.12	338.53	-0.46	3.79
-5	5	-4	318.41	313.40	-267.38	-163.49	211.44	5.00	7.54
-2	5	-4	61.61	62.32	-55.61	-28.12	206.82	-0.71	1.54
-4	6	-4	94.06	95.35	-13.37	-94.40	261.94	-1.28	2.31
-1	6	-4	245.87	246.64	61.10	-238.96	284.34	-0.77	5.84
-6	7	-4	22.40	23.36	-22.07	-7.66	199.14	-0.97	0.61
-3	7	-4	212.01	211.18	149.32	149.34	45.00	0.83	5.05
0	7	-4	85.93	85.38	77.29	-36.28	334.85	0.55	2.14
-8	8	-4	11.37	10.52	-2.42	-10.24	256.73	0.84	0.52
-5	8	-4	112.68	114.55	-57.86	98.86	120.34	-1.87	2.75
-2	8	-4	62.70	65.16	-31.01	57.30	118.42	-2.46	1.56
-7	9	-4	53.54	54.55	-25.23	48.37	117.55	-1.01	1.33
-4	9	-4	117.00	118.69	53.28	-106.06	296.67	-1.69	2.85
-1	9	-4	56.40	55.28	-54.81	7.15	172.57	1.12	1.41
-9	10	-4	90.37	89.10	41.36	-78.92	297.66	1.27	2.22
-6	10	-4	23.50	22.94	-22.40	-4.95	192.46	0.56	0.64
-3	10	-4	72.66	73.47	40.79	61.11	56.28	-0.81	1.79
0	10	-4	149.83	154.80	-55.25	-144.61	249.09	-4.97	3.62
-11	11	-4	220.82	223.17	137.64	-175.68	308.08	-2.35	5.27
-8	11	-4	69.52	68.44	40.04	55.51	54.20	1.08	1.73
-5	11	-4	35.85	36.43	-15.78	-32.83	244.33	-0.57	0.91
-2	11	-4	45.67	46.20	-29.99	35.15	130.47	-0.53	1.15
-10	12	-4	46.52	46.78	19.96	-42.31	295.25	-0.26	1.18
-7	12	-4	30.26	30.84	29.35	-9.44	342.17	-0.58	0.79
-4	12	-4	45.51	48.44	-8.20	47.74	99.75	-2.93	1.15
-1	12	-4	67.05	65.92	-55.96	-34.84	211.91	1.13	1.67
-12	13	-4	33.50	33.49	5.50	33.04	80.56	0.01	0.87
-9	13	-4	69.66	69.32	-62.13	30.76	153.66	0.33	1.73
-6	13	-4	74.91	75.41	-46.15	59.64	127.73	-0.50	1.86
-3	13	-4	9.38	9.98	-8.83	-4.65	207.75	-0.60	0.68
0	13	-4	14.14	14.35	1.14	14.31	85.45	-0.21	0.60
-14	14	-4	63.01	62.81	46.15	-42.60	317.29	0.20	1.58
-11	14	-4	16.73	17.38	5.67	-16.43	289.03	-0.65	0.59
-8	14	-4	113.91	114.44	73.04	88.10	50.34	-0.53	2.82
-5	14	-4	63.88	64.61	64.59	1.83	1.62	-0.74	1.59
-2	14	-4	61.86	62.61	0.84	62.61	89.23	-0.76	1.55
-13	15	-4	86.89	88.03	3.83	87.94	87.51	-1.14	2.15
-10	15	-4	98.26	99.68	-63.67	-76.70	230.31	-1.42	2.43
-7	15	-4	63.71	66.20	54.96	-36.89	326.13	-2.49	1.59
-4	15	-4	100.46	101.28	-9.16	-100.87	264.81	-0.82	2.48
-1	15	-4	34.47	34.35	-30.89	15.02	154.08	0.12	0.90
-15	16	-4	48.65	48.88	-36.80	-32.17	221.16	-0.23	1.23
-12	16	-4	108.56	110.92	-101.45	-44.84	203.85	-2.36	2.67
-9	16	-4	82.16	83.61	-81.88	-16.94	191.69	-1.45	2.04
-6	16	-4	142.57	147.15	24.31	-145.13	279.51	-4.58	3.49
-3	16	-4	55.87	55.31	54.34	-10.34	349.23	0.56	1.40
0	16	-4	68.67	66.55	1.58	-66.53	271.36	2.12	1.72
-17	17	-4	43.56	43.36	42.66	-7.75	349.70	0.20	1.12
-14	17	-4	37.03	35.66	28.10	21.96	38.01	1.37	0.97
-11	17	-4	87.54	88.11	-59.11	-65.34	227.87	-0.57	2.17
-8	17	-4	48.10	48.36	20.88	43.62	64.42	-0.27	1.23
-5	17	-4	57.83	58.18	36.61	-45.22	308.99	-0.35	1.45
-2	17	-4	68.41	69.81	59.43	36.63	31.65	-1.40	1.72
-16	18	-4	69.02	67.33	14.41	65.77	77.64	1.70	1.72
-13	18	-4	68.98	67.51	43.36	51.74	50.04	1.48	1.71
-10	18	-4	42.90	41.33	-21.16	35.50	120.80	1.58	1.10
-7	18	-4	32.31	31.76	30.71	8.10	14.78	0.56	0.86
-4	18	-4	43.10	44.17	-12.52	42.36	106.47	-1.08	1.11
-1	18	-4	51.88	51.25	-28.65	42.49	123.99	0.63	1.32
-15	19	-4	24.69	26.13	6.99	-25.18	285.52	-1.44	0.75
-12	19	-4	43.70	44.44	-26.82	35.43	127.12	-0.74	1.13
-9	19	-4	29.01	27.64	24.32	13.14	28.37	1.36	0.80
-6	19	-4	8.10	7.02	-0.59	6.99	94.82	1.09	0.93
-3	19	-4	15.64	17.15	13.77	10.23	36.61	-1.52	0.69
-14	20	-4	59.23	59.41	9.64	-58.62	279.34	-0.18	1.49
-11	20	-4	34.93	34.28	-31.35	-13.86	203.86	0.65	0.93
-8	20	-4	23.05	23.59	2.14	23.50	84.79	-0.54	0.72
0	0	-3	220.45	208.57	173.25	-116.12	326.17	11.88	5.22

-1	2	-3	34.90	31.56	-30.17	-9.27	197.08	3.34	0.88
-3	3	-3	123.55	122.65	-11.87	-122.08	264.45	0.90	2.96
0	3	-3	117.02	116.72	-111.46	34.64	162.73	0.30	2.81
-2	4	-3	125.33	124.53	-63.08	107.37	120.44	0.80	3.00
-4	5	-3	143.18	144.07	143.63	-11.27	355.51	-0.90	3.42
-1	5	-3	12.05	10.39	2.53	10.07	75.90	1.66	0.42
-6	6	-3	321.52	314.45	248.76	-192.35	322.29	7.06	7.61
-3	6	-3	99.88	99.29	47.80	87.02	61.22	0.59	2.42
0	6	-3	148.64	149.02	-125.30	80.66	147.23	-0.38	3.56
-5	7	-3	27.24	27.29	25.68	-9.23	340.22	-0.05	0.70
-2	7	-3	25.37	26.24	-7.34	25.19	106.25	-0.87	0.66
-7	8	-3	103.18	104.21	-44.37	94.29	115.20	-1.03	2.52
-4	8	-3	19.17	18.36	17.55	5.39	17.07	0.81	0.54
-1	8	-3	44.35	44.60	-40.12	19.50	154.08	-0.26	1.12
-9	9	-3	70.92	73.24	71.85	14.17	11.16	-2.32	1.74
-6	9	-3	72.72	73.32	60.56	-41.33	325.69	-0.60	1.80
-3	9	-3	116.91	115.53	-55.94	101.08	118.96	1.38	2.83
0	9	-3	101.51	105.68	75.49	73.96	44.42	-4.17	2.49
-8	10	-3	104.19	103.20	-88.13	53.70	148.64	0.99	2.56
-5	10	-3	154.05	154.52	-67.85	-138.83	243.96	-0.48	3.70
-2	10	-3	39.54	41.85	-6.73	-41.30	260.74	-2.30	1.00
-10	11	-3	12.14	11.17	4.28	10.32	67.46	0.97	0.53
-7	11	-3	75.02	75.05	-62.85	-41.01	213.12	-0.03	1.87
-4	11	-3	81.13	81.67	-1.62	-81.66	268.86	-0.55	2.00
-1	11	-3	196.58	202.76	181.63	-90.13	333.61	-6.19	4.70
-12	12	-3	34.50	34.32	25.42	23.06	42.20	0.18	0.89
-9	12	-3	44.20	46.08	-29.73	35.20	130.19	-1.88	1.12
-6	12	-3	34.80	35.07	3.09	-34.93	275.06	-0.27	0.90
-3	12	-3	100.26	104.17	-43.66	94.57	114.78	-3.91	2.48
0	12	-3	56.93	57.11	54.30	-17.67	341.98	-0.17	1.43
-11	13	-3	73.44	74.21	-43.27	60.28	125.67	-0.76	1.83
-8	13	-3	54.65	53.40	-50.01	18.73	159.47	1.25	1.37
-5	13	-3	36.33	36.38	-35.96	-5.53	188.75	-0.05	0.94
-2	13	-3	28.56	28.39	11.46	25.98	66.20	0.16	0.76
-13	14	-3	61.02	59.96	-51.72	30.34	149.60	1.05	1.52
-10	14	-3	69.60	70.66	70.10	8.92	7.25	-1.06	1.74
-7	14	-3	88.99	90.10	57.87	69.06	50.04	-1.11	2.20
-4	14	-3	17.11	17.30	13.14	11.25	40.57	-0.19	0.58
-1	14	-3	21.99	22.13	-21.14	-6.55	197.21	-0.13	0.65
-15	15	-3	21.24	20.84	-4.86	-20.26	256.51	0.40	0.65
-12	15	-3	33.09	33.76	28.55	-18.03	327.72	-0.68	0.87
-9	15	-3	114.73	115.31	51.40	-103.22	296.47	-0.58	2.84
-6	15	-3	95.42	94.80	-94.68	-4.82	182.92	0.62	2.35
-3	15	-3	73.80	74.75	-34.93	66.09	117.85	-0.95	1.83
0	15	-3	81.65	82.03	46.04	-67.90	304.14	-0.39	2.03
-14	16	-3	38.67	38.38	-9.47	-37.19	255.72	0.29	1.00
-11	16	-3	112.02	112.85	99.73	-52.81	332.10	-0.84	2.79
-8	16	-3	71.54	72.31	22.04	68.87	72.25	-0.77	1.78
-5	16	-3	15.63	15.59	-3.44	-15.21	257.26	0.04	0.60
-2	16	-3	41.45	40.99	-40.96	1.66	177.68	0.46	1.06
-16	17	-3	98.54	98.94	-31.65	-93.75	251.35	-0.41	2.46
-13	17	-3	62.70	63.52	49.58	39.70	38.69	-0.83	1.58
-10	17	-3	72.06	71.80	71.55	-5.97	355.23	0.27	1.80
-7	17	-3	62.77	63.97	41.48	48.70	49.58	-1.20	1.57
-4	17	-3	48.34	50.33	5.14	50.07	84.13	-1.99	1.23
-1	17	-3	82.30	83.13	-56.91	-60.60	226.80	-0.83	2.04
-18	18	-3	75.34	73.57	-6.69	73.26	95.21	1.78	1.88
-15	18	-3	51.32	51.19	8.72	50.44	80.19	0.14	1.30
-12	18	-3	34.82	33.29	-26.71	-19.87	216.64	1.53	0.92
-9	18	-3	84.22	84.43	-83.32	-13.64	189.30	-0.21	2.10
-6	18	-3	76.34	76.43	-76.21	5.79	175.66	-0.09	1.90
-3	18	-3	40.45	41.10	40.67	5.93	8.29	-0.65	1.05
0	18	-3	53.14	51.69	49.04	-16.35	341.56	1.45	1.34
-17	19	-3	36.90	35.72	-35.71	0.86	178.62	1.18	0.97
-14	19	-3	33.13	33.72	14.36	30.51	64.79	-0.60	0.88
-11	19	-3	15.17	14.12	4.23	13.48	72.59	1.04	0.63
-8	19	-3	46.74	46.71	-10.64	45.48	103.17	0.03	1.19
-5	19	-3	32.55	32.40	26.48	18.68	35.21	0.15	0.87
-2	19	-3	61.06	60.78	-51.41	32.41	147.77	0.28	1.54
-16	20	-3	23.29	22.44	-5.37	-21.79	256.15	0.85	0.73
-13	20	-3	41.98	40.94	3.41	40.80	85.23	1.03	1.08
-10	20	-3	48.16	49.51	30.40	-39.08	307.88	-1.35	1.23
-7	20	-3	28.74	28.11	1.71	28.06	86.51	0.63	0.80
-4	20	-3	44.21	43.13	38.57	-19.31	333.41	1.08	1.14
-12	21	-3	62.73	61.52	-28.40	-54.58	242.51	1.21	1.57
-9	21	-3	56.93	56.76	-33.30	-45.97	234.08	0.17	1.43
0	2	-2	47.63	48.46	48.41	-2.10	357.52	-0.82	1.18
-2	3	-2	194.77	189.05	-134.42	132.93	135.32	5.71	4.62
-4	4	-2	73.53	71.24	-55.58	44.56	141.28	2.29	1.80
-1	4	-2	50.76	51.48	49.69	13.44	15.14	-0.72	1.26
-3	5	-2	133.10	126.98	-96.58	-82.44	220.49	6.12	3.18
0	5	-2	205.85	214.79	7.88	-214.65	272.10	-8.95	4.88
-5	6	-2	268.39	252.22	-249.76	35.15	171.99	16.18	6.36
-2	6	-2	82.47	79.39	-78.92	8.54	173.82	3.08	2.01
-7	7	-2	47.52	48.20	12.58	46.53	74.87	-0.68	1.18
-4	7	-2	229.67	218.51	182.93	119.52	33.16	11.16	5.45
-1	7	-2	57.75	59.15	47.10	-35.79	322.77	-1.41	1.44
-6	8	-2	82.12	82.06	-79.67	19.69	166.12	0.06	2.02
-3	8	-2	70.21	70.38	32.57	-62.39	297.57	-0.18	1.72
0	8	-2	70.74	70.79	-69.56	-13.14	190.69	-0.05	1.74
-8	9	-2	68.69	67.60	-67.24	-6.99	185.94	1.09	1.70
-5	9	-2	76.82	79.01	-27.35	74.12	110.25	-2.19	1.91
-2	9	-2	110.29	112.19	-83.58	74.85	138.16	-1.91	2.68
-10	10	-2	140.77	141.70	98.23	-102.13	313.88	-0.93	3.39
-7	10	-2	24.61	24.83	14.61	20.09	53.98	-0.22	0.65
-4	10	-2	151.86	154.37	151.63	-28.96	349.19	-2.51	3.64

-1	10	-2	55.06	54.93	-53.76	-11.28	191.85	0.13	1.37
-9	11	-2	40.84	42.51	35.92	-22.74	327.66	-1.67	1.03
-6	11	-2	143.84	147.05	144.18	-28.90	348.67	-3.22	3.46
-3	11	-2	98.36	99.76	-0.99	99.75	90.57	-1.40	2.42
0	11	-2	25.78	25.00	-14.86	20.11	126.47	0.78	0.69
-11	12	-2	94.03	93.65	37.91	-85.63	293.88	0.38	2.34
-8	12	-2	80.36	81.79	-36.16	73.36	116.24	-1.43	1.98
-5	12	-2	41.15	41.63	-20.91	35.99	120.15	-0.48	1.04
-2	12	-2	60.29	60.51	-60.01	7.77	172.62	-0.22	1.50
-13	13	-2	48.77	49.20	-43.35	23.26	151.79	-0.43	1.22
-10	13	-2	49.80	49.10	-49.10	-0.18	180.21	0.71	1.25
-7	13	-2	42.37	42.23	32.03	-27.52	319.33	0.15	1.07
-4	13	-2	65.08	66.79	-58.24	-32.69	209.31	-1.71	1.63
-1	13	-2	61.45	61.37	-49.79	35.87	144.23	0.09	1.54
-12	14	-2	60.09	61.64	-22.12	57.54	111.03	-1.56	1.50
-9	14	-2	68.65	70.60	-7.42	70.21	96.03	-1.95	1.72
-6	14	-2	107.63	108.66	93.30	55.71	30.84	-1.03	2.66
-3	14	-2	39.74	39.34	-38.58	7.68	168.74	0.40	1.02
0	14	-2	46.02	44.77	-11.88	43.17	105.39	1.25	1.17
-14	15	-2	59.76	58.95	46.58	-36.13	322.20	0.82	1.50
-11	15	-2	81.97	81.86	-62.01	-53.43	220.75	0.11	2.02
-8	15	-2	63.50	62.59	-44.73	43.78	135.62	0.91	1.59
-5	15	-2	73.18	71.62	40.59	-59.01	304.52	1.56	1.82
-2	15	-2	36.94	36.37	23.25	27.96	50.25	0.57	0.95
-16	16	-2	55.30	56.34	56.29	-2.45	357.51	-1.04	1.39
-13	16	-2	91.86	92.80	-54.94	74.79	126.30	-0.94	2.28
-10	16	-2	89.32	89.95	-87.45	-21.05	193.53	-0.64	2.22
-7	16	-2	77.60	80.06	-11.29	-79.26	261.89	-2.46	1.93
-4	16	-2	104.50	105.81	-10.40	-105.30	264.36	-1.31	2.61
-1	16	-2	66.48	64.85	54.79	-34.69	327.66	1.63	1.66
-15	17	-2	56.36	55.85	37.92	41.01	47.24	0.51	1.41
-12	17	-2	23.00	23.11	-13.53	18.73	125.84	-0.11	0.68
-9	17	-2	51.17	50.76	-26.67	43.19	121.70	0.41	1.29
-6	17	-2	70.18	72.31	9.21	-71.72	277.32	-2.13	1.75
-3	17	-2	47.44	45.45	7.12	44.89	80.99	1.99	1.21
0	17	-2	34.18	33.49	31.87	10.29	17.90	0.69	0.90
-17	18	-2	33.62	33.37	32.98	5.09	8.77	0.25	0.89
-14	18	-2	41.63	41.43	18.07	-37.28	295.86	0.20	1.07
-11	18	-2	43.87	44.75	-40.56	18.91	155.00	-0.88	1.12
-8	18	-2	12.81	12.79	-9.45	8.62	137.63	0.03	0.64
-5	18	-2	49.24	47.82	42.81	21.31	26.46	1.42	1.25
-2	18	-2	65.63	64.65	46.26	45.16	44.32	0.98	1.65
-19	19	-2	22.92	22.77	-22.55	-3.16	187.97	0.14	0.73
-16	19	-2	18.21	19.09	-11.82	14.99	128.26	-0.88	0.66
-13	19	-2	58.07	59.35	-43.48	40.39	137.11	-1.27	1.47
-10	19	-2	33.32	34.07	19.34	28.05	55.42	-0.75	0.88
-7	19	-2	40.39	40.81	-31.01	26.53	139.46	-0.42	1.04
-4	19	-2	32.39	35.15	-35.02	-3.02	184.93	-2.76	0.87
-1	19	-2	25.52	25.72	-25.23	4.98	168.83	-0.20	0.75
-18	20	-2	47.16	47.38	-24.01	40.85	120.45	-0.22	1.20
-15	20	-2	40.47	38.31	8.97	-37.24	283.54	2.17	1.05
-12	20	-2	38.79	38.59	-35.34	15.51	156.31	0.20	1.02
-9	20	-2	51.08	50.35	38.47	-32.48	319.82	0.73	1.30
-6	20	-2	60.60	62.11	-59.23	-18.71	197.53	-1.51	1.52
-3	20	-2	24.63	24.09	-19.12	14.66	142.52	0.54	0.75
-14	21	-2	58.37	56.87	26.96	-50.08	298.30	1.50	1.47
-11	21	-2	103.39	102.16	101.34	-12.92	352.74	1.23	2.54
-8	21	-2	41.85	42.63	4.47	42.39	83.98	-0.78	1.09
-5	21	-2	17.41	18.62	-7.34	-17.12	246.80	-1.21	0.69
-10	22	-2	62.61	62.43	56.93	25.62	24.23	0.17	1.57
0	1	-1	141.60	141.23	-110.57	-87.88	218.48	0.36	3.35
-2	2	-1	94.79	90.34	35.20	-83.20	292.93	4.44	2.26
-1	3	-1	136.06	140.49	-125.20	63.73	153.02	-4.43	3.23
-3	4	-1	50.26	48.74	-44.64	19.56	156.34	1.52	1.26
0	4	-1	48.00	42.93	-33.37	-27.01	218.99	5.06	1.19
-2	5	-1	66.18	63.05	18.76	60.20	72.69	3.13	1.62
-4	6	-1	59.10	58.43	56.59	-14.57	345.57	0.66	1.47
-1	6	-1	130.48	130.26	127.36	-27.32	347.89	0.22	3.12
-6	7	-1	115.45	114.56	98.34	-58.76	329.14	0.89	2.77
-3	7	-1	125.26	113.68	78.87	81.87	46.07	11.57	3.00
0	7	-1	42.76	39.59	-38.88	-7.45	190.85	3.17	1.07
-8	8	-1	22.30	20.35	1.74	-20.27	274.90	1.96	0.59
-5	8	-1	87.03	84.22	-45.01	-71.19	237.69	2.81	2.12
-2	8	-1	127.39	125.91	-92.06	85.89	136.98	1.48	3.06
-7	9	-1	190.81	186.71	-109.78	151.03	126.01	4.10	4.54
-4	9	-1	48.81	48.52	-41.21	25.62	148.12	0.28	1.21
-1	9	-1	58.03	55.90	-8.85	55.20	99.11	2.13	1.44
-9	10	-1	76.27	75.07	72.16	-20.71	343.98	1.20	1.88
-6	10	-1	118.88	121.70	-24.48	-119.21	258.40	-2.82	2.87
-3	10	-1	87.21	86.79	-48.37	-72.07	236.13	0.42	2.15
0	10	-1	305.86	305.94	278.18	-127.33	335.40	-0.07	7.25
-11	11	-1	206.14	207.61	205.51	29.47	8.16	-1.48	4.92
-8	11	-1	81.23	83.59	-77.30	31.83	157.62	-2.36	1.99
-5	11	-1	174.43	173.87	-124.80	-121.05	224.13	0.56	4.17
-2	11	-1	67.39	67.13	-24.66	-62.44	248.45	0.26	1.66
-10	12	-1	83.54	84.55	-55.89	63.44	131.38	-1.01	2.06
-7	12	-1	85.00	84.24	-78.42	30.76	158.58	0.76	2.12
-4	12	-1	86.11	88.71	-30.06	83.46	109.81	-2.60	2.15
-1	12	-1	138.68	141.12	113.77	-83.49	323.73	-2.44	3.35
-12	13	-1	10.52	9.36	-0.57	9.34	93.52	1.16	0.59
-9	13	-1	67.51	69.68	-12.36	-68.58	259.78	-2.17	1.68
-6	13	-1	42.47	41.90	-31.13	28.04	137.99	0.57	1.07
-3	13	-1	86.25	86.76	24.02	83.37	73.93	-0.51	2.12
0	13	-1	39.02	38.81	7.73	38.03	78.51	0.21	1.00
-14	14	-1	83.37	83.93	-8.31	83.52	95.68	-0.57	2.08
-11	14	-1	58.92	59.07	14.73	57.20	75.56	-0.15	1.48

-8	14	-1	26.90	27.26	19.24	19.31	45.10	-0.36	0.72
-5	14	-1	79.89	80.22	-75.98	-25.74	198.72	-0.33	1.99
-2	14	-1	92.67	93.84	-93.82	1.91	178.84	-1.17	2.28
-13	15	-1	82.74	81.62	-80.71	-12.16	188.57	1.12	2.04
-10	15	-1	124.48	123.52	95.46	-78.40	320.60	0.96	3.05
-7	15	-1	34.56	33.85	19.44	27.70	54.94	0.71	0.89
-4	15	-1	96.56	97.82	97.36	-9.49	354.43	-1.26	2.37
-1	15	-1	58.30	58.73	-38.21	-44.60	229.42	-0.43	1.47
-15	16	-1	85.16	87.93	-39.96	-78.32	242.97	-2.77	2.11
-12	16	-1	104.43	106.70	68.94	-81.43	310.25	-2.27	2.61
-9	16	-1	96.55	93.77	79.37	-49.93	327.83	2.78	2.38
-6	16	-1	91.87	92.34	92.25	-4.03	357.50	-0.47	2.27
-3	16	-1	79.62	80.55	-10.33	79.88	97.37	-0.92	1.98
0	16	-1	22.36	23.92	-11.44	-21.01	241.43	-1.57	0.68
-17	17	-1	12.95	12.81	5.75	-11.44	296.69	0.14	0.64
-14	17	-1	53.77	52.20	25.24	45.69	61.08	1.57	1.35
-11	17	-1	104.20	103.96	86.20	-58.11	326.01	0.24	2.56
-8	17	-1	75.20	76.96	-47.07	60.88	127.71	-1.76	1.88
-5	17	-1	52.74	52.02	-33.50	39.79	130.09	0.72	1.32
-2	17	-1	32.97	32.55	-24.76	-21.12	220.46	0.42	0.87
-16	18	-1	70.36	70.41	-70.35	-2.90	182.36	-0.05	1.75
-13	18	-1	22.61	22.60	-15.75	16.21	134.18	0.02	0.68
-10	18	-1	64.42	64.47	-63.42	-11.59	190.36	-0.05	1.61
-7	18	-1	61.91	61.98	51.92	33.86	33.12	-0.07	1.56
-4	18	-1	40.30	41.43	41.38	-1.94	357.32	-1.12	1.04
-1	18	-1	50.81	49.05	-48.43	-7.80	189.15	1.75	1.29
-18	19	-1	47.15	46.98	-38.62	26.74	145.31	0.17	1.20
-15	19	-1	50.50	48.54	30.41	37.83	51.21	1.97	1.28
-12	19	-1	26.00	24.88	-11.64	21.99	117.90	1.12	0.73
-9	19	-1	37.80	38.27	-35.36	14.63	157.53	-0.47	0.99
-6	19	-1	61.07	60.97	-57.96	18.91	161.93	0.10	1.53
-3	19	-1	27.43	25.95	-25.30	-5.78	192.87	1.48	0.77
0	19	-1	59.84	59.01	-54.33	23.02	157.04	0.83	1.50
-17	20	-1	12.16	13.46	-8.91	10.09	131.46	-1.30	0.75
-14	20	-1	53.57	52.68	50.20	-15.96	342.36	0.89	1.35
-11	20	-1	44.50	45.16	-6.57	-44.68	261.63	-0.66	1.14
-8	20	-1	57.10	56.52	-54.47	15.09	164.52	0.57	1.44
-5	20	-1	71.56	72.56	70.08	-18.81	344.98	-1.00	1.79
-2	20	-1	48.69	47.44	-14.30	45.24	107.54	1.25	1.25
-16	21	-1	30.60	30.34	26.76	-14.31	331.86	0.25	0.84
-13	21	-1	78.59	77.85	-68.68	36.65	151.91	0.74	1.97
-10	21	-1	66.79	67.78	48.90	-46.93	316.18	-0.99	1.67
-7	21	-1	69.84	71.75	63.43	-33.53	332.14	-1.91	1.74
-4	21	-1	99.92	102.09	72.30	-72.08	315.09	-2.18	2.47
-12	22	-1	24.83	25.52	-19.10	-16.92	221.54	-0.69	0.74
-9	22	-1	94.61	92.22	-92.22	-0.29	180.18	2.39	2.35
-1	2	0	15.97	14.99	-14.84	-2.10	188.06	0.98	0.41
-3	3	0	81.07	78.98	64.98	44.89	34.64	2.09	1.94
0	3	0	78.29	76.71	61.81	-45.43	323.68	1.58	1.88
-4	5	0	70.05	69.81	45.70	52.78	49.11	0.23	1.71
-1	5	0	63.96	64.57	40.56	-50.24	308.91	-0.62	1.57
-6	6	0	74.99	85.33	23.04	82.16	74.34	-10.34	1.83
-3	6	0	4.52	7.44	-7.31	1.38	169.29	-2.92	0.74
0	6	0	71.54	81.13	16.17	-79.51	281.49	-9.59	1.76
-5	7	0	61.32	59.41	-23.92	54.38	113.74	1.91	1.50
-2	7	0	61.73	59.72	-27.73	-52.89	242.33	2.00	1.51
-7	8	0	66.81	67.81	-67.80	1.06	179.10	-1.00	1.64
-4	8	0	106.87	100.35	100.35	-1.18	359.33	6.52	2.58
-1	8	0	69.88	69.40	-69.39	1.24	178.97	0.48	1.74
-9	9	0	161.10	157.13	-73.65	138.80	117.95	3.97	3.85
-6	9	0	27.99	26.43	-13.61	22.66	120.99	1.55	0.72
-3	9	0	28.48	29.32	-14.88	-25.27	239.51	-0.84	0.74
0	9	0	156.87	153.21	-71.33	-135.59	242.25	3.66	3.75
-8	10	0	116.74	114.00	-44.10	-105.12	247.24	2.74	2.82
-5	10	0	323.16	317.49	317.45	-4.59	359.17	5.67	7.65
-2	10	0	113.95	113.14	-41.13	105.40	111.32	0.81	2.76
-10	11	0	200.12	202.75	164.36	-118.72	324.16	-2.64	4.77
-7	11	0	126.02	125.45	122.89	-25.19	348.41	0.58	3.04
-4	11	0	126.03	125.04	123.49	19.65	9.04	0.99	3.04
-1	11	0	207.09	208.78	170.62	120.32	35.19	-1.69	4.93
-12	12	0	87.80	90.09	-81.58	38.21	154.90	-2.28	2.16
-9	12	0	143.19	144.13	-128.56	65.17	153.12	-0.95	3.45
-6	12	0	180.86	182.62	182.59	-3.39	358.94	-1.76	4.32
-3	12	0	140.54	142.73	-127.74	-63.69	206.50	-2.19	3.39
0	12	0	82.47	85.14	-77.42	-35.45	204.60	-2.68	2.04
-11	13	0	78.51	80.03	-55.73	-57.44	225.87	-1.52	1.95
-8	13	0	76.19	76.41	-56.06	51.91	137.20	-0.22	1.89
-5	13	0	76.92	78.57	-57.87	-53.14	222.56	-1.64	1.91
-2	13	0	80.11	80.48	-53.37	60.24	131.54	-0.38	1.99
-13	14	0	28.17	27.92	-27.33	-5.75	191.88	0.25	0.75
-10	14	0	11.75	12.80	12.04	4.35	19.87	-1.05	0.56
-7	14	0	18.03	18.11	18.11	-0.01	359.97	-0.08	0.55
-4	14	0	10.04	9.30	9.02	-2.29	345.77	0.74	0.58
-1	14	0	27.49	26.58	-26.09	5.05	169.05	0.92	0.74
-15	15	0	154.98	156.46	154.79	-22.79	351.62	-1.48	3.76
-12	15	0	52.03	51.17	-48.54	16.17	161.58	0.87	1.31
-9	15	0	54.32	55.29	50.91	21.56	22.96	-0.96	1.37
-6	15	0	48.26	50.72	46.42	-20.44	336.23	-2.47	1.21
-3	15	0	55.05	53.30	-51.35	-14.31	195.57	1.75	1.39
0	15	0	155.63	156.17	155.35	15.95	5.86	-0.54	3.77
-14	16	0	31.23	31.28	30.76	5.69	10.48	-0.05	0.83
-11	16	0	76.37	76.85	47.10	60.73	52.20	-0.49	1.90
-8	16	0	90.53	91.64	-91.63	1.60	179.00	-1.11	2.24
-5	16	0	71.23	71.47	41.08	-58.48	305.09	-0.24	1.78
-2	16	0	30.45	31.07	29.79	-8.82	343.50	-0.62	0.82
-16	17	0	95.52	97.16	95.42	18.29	10.85	-1.64	2.38

-13	17	0	48.32	47.46	-7.80	46.81	99.46	0.86	1.22
-10	17	0	46.99	46.38	-31.71	33.85	133.13	0.61	1.20
-7	17	0	48.42	47.63	-35.91	-31.29	221.07	0.79	1.23
-4	17	0	48.48	46.25	-10.91	-44.95	256.35	2.22	1.22
-1	17	0	98.51	98.40	95.19	-24.95	345.31	0.10	2.45
-18	18	0	15.12	15.27	-5.74	-14.15	247.92	-0.14	0.66
-15	18	0	69.28	70.62	-6.42	-70.32	264.78	-1.33	1.73
-12	18	0	32.60	32.39	-21.24	24.46	130.97	0.21	0.86
-9	18	0	24.22	24.04	24.04	-0.38	359.09	0.18	0.70
-6	18	0	34.25	33.20	-24.59	-22.30	222.20	1.06	0.90
-3	18	0	69.96	69.92	-4.81	69.75	93.95	0.05	1.74
0	18	0	11.79	13.21	-6.12	11.70	117.59	-1.42	0.75
-17	19	0	31.78	31.40	-28.88	12.33	156.89	0.38	0.86
-14	19	0	42.96	41.62	-29.94	28.92	136.00	1.34	1.09
-11	19	0	60.75	60.19	-60.19	-0.05	180.04	0.57	1.52
-8	19	0	62.36	61.77	-61.77	-0.38	180.35	0.58	1.56
-5	19	0	39.02	39.14	-28.92	-26.38	222.37	-0.12	1.01
-2	19	0	30.90	31.22	-28.32	-13.14	204.88	-0.32	0.84
-16	20	0	44.83	45.91	33.52	-31.38	316.89	-1.08	1.15
-13	20	0	60.23	60.35	-58.10	-16.31	195.68	-0.12	1.51
-10	20	0	115.26	116.71	116.68	-2.97	358.54	-1.45	2.83
-7	20	0	60.17	59.68	-57.01	17.65	162.80	0.49	1.51
-4	20	0	48.71	49.74	37.61	32.54	40.87	-1.03	1.24
-15	21	0	47.16	47.85	44.43	-17.77	338.20	-0.69	1.20
-12	21	0	113.61	113.72	113.70	-1.78	359.10	-0.11	2.80
-9	21	0	113.63	113.87	113.82	-3.62	358.18	-0.24	2.80
-6	21	0	52.21	52.86	49.18	19.36	21.49	-0.65	1.32
-14	22	0	42.77	42.94	-34.56	-25.48	216.40	-0.17	1.11
-11	22	0	100.77	101.49	101.43	-3.43	358.06	-0.72	2.49
-8	22	0	41.72	41.69	-32.43	26.19	141.08	0.03	1.08
-1	1	1	143.71	143.17	-108.14	93.83	139.05	0.54	3.40
0	2	1	98.22	94.02	37.60	86.17	66.43	4.21	2.34
-2	3	1	136.52	140.49	-126.36	-61.39	205.91	-3.97	3.24
-4	4	1	51.48	46.83	-38.66	26.42	145.65	4.65	1.29
-1	4	1	49.01	47.42	-42.34	-21.35	206.76	1.59	1.23
-3	5	1	67.80	64.23	16.12	-62.17	284.53	3.57	1.66
-5	6	1	122.52	123.35	120.85	24.67	11.54	-0.82	2.93
-2	6	1	60.27	59.75	58.75	10.89	10.50	0.52	1.50
-7	7	1	46.06	43.60	-43.13	6.42	171.54	2.46	1.14
-4	7	1	123.12	111.74	77.01	-80.96	313.57	11.39	2.95
-1	7	1	118.93	115.79	102.09	54.63	28.15	3.14	2.85
-6	8	1	129.11	127.05	-94.82	-84.56	221.73	2.06	3.10
-3	8	1	87.58	84.04	-42.36	72.59	120.27	3.53	2.14
0	8	1	18.16	18.07	1.05	18.04	86.67	0.09	0.51
-8	9	1	60.51	57.77	-8.32	-57.17	261.72	2.74	1.49
-5	9	1	45.22	45.85	-40.59	-21.31	207.70	-0.63	1.13
-2	9	1	189.28	186.10	-110.55	-149.71	233.56	3.18	4.51
-10	10	1	309.94	307.84	283.35	120.33	23.01	2.10	7.34
-7	10	1	89.24	88.42	-46.52	75.20	121.74	0.82	2.20
-4	10	1	125.64	126.06	-21.62	124.19	99.87	-0.42	3.03
-1	10	1	70.26	70.27	67.61	19.15	15.81	-0.02	1.74
-9	11	1	62.72	64.10	-21.30	60.46	109.41	-1.38	1.56
-6	11	1	177.83	176.07	-121.58	127.35	133.67	1.76	4.25
-3	11	1	80.27	83.76	-78.62	-28.89	200.18	-3.49	1.97
0	11	1	199.21	201.28	198.64	-32.47	350.72	-2.07	4.75
-11	12	1	139.25	141.60	117.93	78.38	33.61	-2.35	3.37
-8	12	1	84.10	86.18	-29.96	-80.80	249.66	-2.09	2.06
-5	12	1	82.21	81.35	-77.03	-26.16	198.76	0.87	2.02
-2	12	1	85.83	87.95	-60.11	-64.21	226.89	-2.12	2.15
-13	13	1	39.71	39.90	9.71	-38.71	284.08	-0.19	1.01
-10	13	1	86.37	88.19	22.78	-85.20	284.97	-1.82	2.13
-7	13	1	39.29	39.35	-30.71	-24.59	218.68	-0.05	1.01
-4	13	1	67.31	68.85	-10.78	68.00	99.01	-1.54	1.67
-1	13	1	11.23	10.25	-3.88	-9.49	247.75	0.98	0.59
-12	14	1	93.66	94.14	-94.12	-1.74	181.06	-0.48	2.30
-9	14	1	83.15	83.68	-79.36	26.54	161.51	-0.53	2.06
-6	14	1	27.64	28.61	21.15	-19.27	317.65	-0.97	0.74
-3	14	1	60.87	61.57	14.93	-59.73	284.04	-0.70	1.52
0	14	1	80.06	81.00	-9.38	-80.46	263.35	-0.94	1.98
-14	15	1	60.03	60.23	-36.30	48.06	127.06	-0.20	1.50
-11	15	1	89.59	92.87	92.61	6.93	4.28	-3.27	2.22
-8	15	1	33.35	33.18	17.06	-28.45	300.95	0.18	0.87
-5	15	1	125.71	123.89	100.09	73.00	36.11	1.82	3.07
-2	15	1	79.80	80.66	-79.45	13.92	170.06	-0.85	1.98
-16	16	1	29.36	27.77	-9.14	26.22	109.21	1.59	0.80
-13	16	1	80.56	79.95	-13.59	-78.78	260.22	0.61	2.00
-10	16	1	85.57	86.38	86.37	1.38	0.91	-0.82	2.13
-7	16	1	94.29	94.09	82.18	45.82	29.14	0.20	2.33
-4	16	1	104.79	106.14	73.13	76.92	46.45	-1.35	2.62
-1	16	1	89.33	90.95	-37.24	82.98	114.17	-1.62	2.23
-15	17	1	34.67	34.38	-23.62	24.98	133.40	0.29	0.91
-12	17	1	57.72	56.19	-38.71	-40.73	226.46	1.53	1.44
-9	17	1	77.74	78.64	-49.59	-61.04	230.91	-0.90	1.93
-6	17	1	105.34	104.76	90.52	52.73	30.22	0.58	2.58
-3	17	1	53.52	51.77	25.91	-44.82	300.03	1.75	1.34
0	17	1	18.26	17.79	7.61	16.08	64.66	0.47	0.65
-17	18	1	48.99	48.49	-47.02	11.83	165.88	0.51	1.24
-14	18	1	40.37	41.15	41.13	1.04	1.45	-0.78	1.04
-11	18	1	58.75	58.97	48.00	-34.26	324.49	-0.22	1.47
-8	18	1	61.62	62.48	-61.39	11.62	169.28	-0.86	1.55
-5	18	1	23.39	23.59	-15.07	-18.15	230.31	-0.20	0.69
-2	18	1	69.44	70.29	-69.95	6.97	174.31	-0.86	1.73
-19	19	1	60.95	60.26	-56.33	-21.41	200.81	0.68	1.52
-16	19	1	25.22	24.07	-23.38	5.70	166.29	1.15	0.73
-13	19	1	61.82	62.31	-59.10	-19.73	198.46	-0.49	1.55
-10	19	1	37.25	37.27	-35.40	-11.65	198.22	-0.02	0.97

-7	19	1	25.29	25.01	-10.81	-22.55	244.39	0.28	0.73
-4	19	1	48.07	47.35	27.41	-38.62	305.37	0.72	1.22
-1	19	1	44.97	45.41	-37.73	-25.27	213.82	-0.43	1.16
-18	20	1	49.94	47.82	-15.21	-45.33	251.45	2.12	1.27
-15	20	1	74.52	74.50	73.16	14.10	10.91	0.02	1.85
-12	20	1	56.52	55.87	-54.42	-12.68	193.11	0.65	1.42
-9	20	1	46.87	48.07	-4.23	47.89	95.04	-1.20	1.20
-6	20	1	50.37	49.20	47.18	13.96	16.48	1.17	1.27
-3	20	1	15.34	15.40	-11.60	-10.13	221.13	-0.06	0.68
-17	21	1	101.58	101.91	76.23	67.63	41.58	-0.33	2.51
-14	21	1	70.14	73.06	66.24	30.80	24.94	-2.92	1.76
-11	21	1	71.37	72.50	51.29	51.25	44.98	-1.13	1.79
-8	21	1	78.60	77.64	-69.81	-33.97	205.95	0.96	1.96
-5	21	1	25.86	24.95	21.66	12.39	29.77	0.91	0.75
-13	22	1	91.42	91.05	-90.97	3.82	177.60	0.37	2.26
-10	22	1	31.03	27.72	-17.40	21.58	128.87	3.31	0.85
-2	2	2	46.84	47.30	47.28	-1.19	358.55	-0.46	1.16
-1	3	2	191.67	190.64	-136.94	-132.63	224.08	1.04	4.54
-3	4	2	53.07	54.47	52.57	-14.28	344.80	-1.40	1.31
0	4	2	73.37	70.75	-58.10	-40.37	214.79	2.62	1.79
-5	5	2	207.46	213.56	17.45	212.85	85.31	-6.10	4.92
-2	5	2	135.86	129.18	-96.29	86.12	138.19	6.68	3.24
-4	6	2	79.14	75.42	-74.97	-8.23	186.27	3.72	1.94
-1	6	2	261.72	253.37	-251.74	-28.72	186.51	8.35	6.20
-6	7	2	60.86	62.82	52.40	34.65	33.48	-1.96	1.51
-3	7	2	226.21	216.53	181.15	-118.62	326.78	9.68	5.37
0	7	2	42.68	43.87	11.11	-42.44	284.67	-1.19	1.06
-8	8	2	70.09	69.73	-67.99	15.46	167.19	0.36	1.73
-5	8	2	67.70	68.52	33.13	59.97	61.08	-0.82	1.67
-2	8	2	84.76	83.78	-81.90	-17.65	192.16	0.98	2.08
-7	9	2	111.62	112.90	-84.85	-74.48	221.27	-1.28	2.71
-4	9	2	81.47	83.25	-30.76	-77.36	248.32	-1.78	2.02
-1	9	2	66.24	65.78	-65.28	8.04	172.98	0.46	1.65
-9	10	2	58.68	57.43	-55.27	15.61	164.23	1.25	1.45
-6	10	2	149.78	150.85	149.04	23.31	8.89	-1.07	3.59
-3	10	2	25.83	26.48	13.16	-22.97	299.81	-0.65	0.69
0	10	2	146.32	146.11	106.00	100.55	43.49	0.21	3.52
-11	11	2	22.31	22.07	-16.99	-14.08	219.66	0.24	0.62
-8	11	2	99.34	100.04	-4.10	-99.95	267.65	-0.70	2.44
-5	11	2	138.39	142.55	140.84	21.98	8.87	-4.16	3.33
-2	11	2	42.89	44.87	39.55	21.20	28.19	-1.98	1.09
-10	12	2	61.01	61.66	-61.54	-3.78	183.52	-0.64	1.52
-7	12	2	46.83	46.32	-23.87	-39.70	238.98	0.50	1.17
-4	12	2	81.23	83.83	-38.36	-74.54	242.77	-2.61	2.00
-1	12	2	95.09	95.48	44.17	84.65	62.45	-0.39	2.37
-12	13	2	60.32	60.84	-51.37	-32.58	212.38	-0.52	1.50
-9	13	2	63.60	65.43	-56.74	32.60	150.12	-1.83	1.58
-6	13	2	38.54	39.10	29.57	25.57	40.85	-0.55	0.98
-3	13	2	49.66	48.24	-48.18	2.45	177.09	1.42	1.25
0	13	2	46.66	48.38	-41.85	-24.27	210.11	-1.72	1.18
-14	14	2	46.42	46.76	-14.92	-44.32	251.40	-0.34	1.17
-11	14	2	38.40	37.03	-36.48	-6.35	189.87	1.37	0.97
-8	14	2	108.79	110.40	94.29	-57.44	328.65	-1.61	2.68
-5	14	2	68.06	68.60	-10.03	-67.86	261.59	-0.54	1.70
-2	14	2	59.13	60.96	-22.17	-56.79	248.67	-1.83	1.48
-13	15	2	38.19	37.33	22.78	-29.57	307.61	0.86	0.98
-10	15	2	74.01	74.27	47.19	57.35	50.55	-0.26	1.84
-7	15	2	60.85	61.43	-45.62	-41.13	222.04	-0.58	1.53
-4	15	2	87.03	85.76	-62.83	58.37	137.11	1.27	2.16
-1	15	2	56.41	55.56	45.00	32.58	35.90	0.85	1.41
-15	16	2	61.88	60.18	52.50	29.43	29.27	1.70	1.54
-12	16	2	103.26	104.47	-4.48	104.38	92.46	-1.22	2.54
-9	16	2	78.83	79.60	-6.47	79.34	94.66	-0.77	1.96
-6	16	2	93.08	92.89	-88.97	26.70	163.29	0.19	2.30
-3	16	2	91.88	92.72	-57.73	-72.55	231.49	-0.84	2.26
0	16	2	51.26	53.14	53.04	-3.33	356.41	-1.88	1.29
-17	17	2	33.17	32.45	28.88	-14.80	332.86	0.72	0.88
-14	17	2	48.33	46.24	6.57	-45.77	278.16	2.10	1.22
-11	17	2	69.95	72.39	15.75	70.65	77.43	-2.43	1.75
-8	17	2	49.42	49.29	-27.68	-40.78	235.84	0.13	1.25
-5	17	2	22.12	21.06	-15.56	-14.20	222.38	1.06	0.66
-2	17	2	54.00	56.59	35.39	-44.16	308.71	-2.59	1.36
-16	18	2	66.29	64.27	43.25	-47.54	312.29	2.02	1.65
-13	18	2	51.05	49.65	45.04	-20.91	335.10	1.40	1.29
-10	18	2	15.05	12.79	-8.19	-9.83	230.18	2.26	0.61
-7	18	2	43.21	45.09	-42.43	-15.27	199.79	-1.88	1.11
-4	18	2	44.08	42.72	18.80	38.36	63.89	1.36	1.12
-1	18	2	31.47	31.62	30.53	-8.23	344.91	-0.14	0.85
-18	19	2	26.07	26.37	-25.68	-5.99	193.14	-0.30	0.76
-15	19	2	35.01	36.63	-36.16	5.86	170.79	-1.62	0.92
-12	19	2	39.42	40.04	-30.05	-26.46	221.37	-0.62	1.02
-9	19	2	34.03	34.29	17.01	-29.77	299.74	-0.25	0.89
-6	19	2	58.01	57.87	-43.31	-38.38	221.54	0.15	1.46
-3	19	2	19.10	19.37	-10.55	-16.24	236.99	-0.27	0.67
0	19	2	25.88	25.23	-24.88	4.24	170.34	0.65	0.77
-17	20	2	24.27	23.97	-20.63	-12.20	210.61	0.30	0.73
-14	20	2	62.41	63.55	-59.49	22.36	159.40	-1.14	1.57
-11	20	2	46.93	46.83	37.10	28.58	37.61	0.10	1.20
-8	20	2	41.08	40.45	-36.96	-16.45	203.99	0.63	1.06
-5	20	2	41.15	39.24	14.14	36.61	68.88	1.91	1.07
-2	20	2	45.39	46.67	-24.46	-39.75	238.40	-1.28	1.17
-16	21	2	23.10	23.23	-8.82	21.49	112.32	-0.13	0.73
-13	21	2	42.37	42.78	1.90	-42.74	272.54	-0.41	1.09
-10	21	2	100.16	98.97	98.70	7.36	4.27	1.19	2.47
-7	21	2	59.78	57.98	30.64	49.22	58.10	1.80	1.51
-12	22	2	61.44	61.79	54.00	-30.03	330.92	-0.35	1.55

0	0	3	232.74	218.20	181.81	120.65	33.57	14.54	5.51
-1	2	3	40.58	29.14	-26.77	11.50	156.75	11.44	1.01
-3	3	3	118.08	117.29	-113.00	-31.41	195.53	0.80	2.83
0	3	3	120.03	120.73	-9.84	120.33	94.67	-0.70	2.88
-2	4	3	126.96	125.88	-64.90	-107.87	238.97	1.07	3.04
-4	5	3	9.17	8.27	-2.14	-7.99	255.03	0.89	0.43
-1	5	3	143.27	144.53	144.44	5.06	2.01	-1.26	3.42
-6	6	3	152.69	152.30	-131.16	-77.42	210.55	0.39	3.65
-3	6	3	100.50	99.13	45.39	-88.13	297.25	1.37	2.44
0	6	3	307.88	311.33	250.93	184.29	36.29	-3.45	7.29
-5	7	3	24.81	25.19	-10.61	-22.84	245.09	-0.38	0.65
-2	7	3	26.59	27.08	26.50	5.57	11.88	-0.48	0.69
-7	8	3	46.23	46.69	-42.74	-18.80	203.74	-0.46	1.16
-4	8	3	20.46	19.54	19.15	-3.91	348.46	0.92	0.56
-1	8	3	107.92	106.56	-45.71	-96.26	244.60	1.36	2.63
-9	9	3	104.80	107.95	74.38	-78.24	313.55	-3.15	2.57
-6	9	3	114.68	112.79	-54.87	-98.55	240.89	1.88	2.78
-3	9	3	75.54	76.03	63.47	41.86	33.41	-0.49	1.86
0	9	3	67.70	69.66	68.22	-14.10	348.32	-1.96	1.67
-8	10	3	37.98	39.83	-5.33	39.47	97.69	-1.85	0.96
-5	10	3	155.07	155.06	-60.63	142.71	113.02	0.01	3.72
-2	10	3	103.31	103.57	-90.06	-51.14	209.59	-0.25	2.54
-10	11	3	199.98	201.62	183.65	83.21	24.38	-1.64	4.78
-7	11	3	84.13	84.04	3.10	83.98	87.89	0.09	2.07
-4	11	3	73.66	73.72	-58.93	44.30	143.07	-0.06	1.84
-1	11	3	11.46	7.43	-0.52	-7.41	266.00	4.03	0.56
-12	12	3	55.59	56.09	54.69	12.42	12.79	-0.50	1.38
-9	12	3	102.36	105.42	-44.56	-95.54	245.00	-3.06	2.53
-6	12	3	37.86	38.91	8.30	38.01	77.68	-1.04	0.97
-3	12	3	44.36	46.50	-31.18	-34.50	227.89	-2.14	1.12
0	12	3	29.50	29.92	21.10	-21.21	314.84	-0.43	0.78
-11	13	3	31.23	30.63	10.32	-28.84	289.69	0.60	0.82
-8	13	3	35.73	36.59	-35.70	8.02	167.33	-0.86	0.92
-5	13	3	52.10	51.76	-48.21	-18.85	201.36	0.33	1.31
-2	13	3	76.24	75.71	-46.80	-59.51	231.82	0.53	1.89
-13	14	3	21.52	20.95	-19.92	6.51	161.91	0.56	0.64
-10	14	3	17.76	14.17	9.83	-10.21	313.90	3.59	0.58
-7	14	3	87.94	89.76	57.55	-68.88	309.88	-1.82	2.18
-4	14	3	70.07	71.26	70.10	-12.85	349.62	-1.20	1.74
-1	14	3	60.86	59.26	-52.04	-28.34	208.57	1.59	1.52
-15	15	3	86.32	87.07	51.69	70.06	53.58	-0.74	2.14
-12	15	3	75.05	74.93	-38.08	-64.53	239.46	0.13	1.85
-9	15	3	99.31	98.34	-98.05	7.63	175.55	0.97	2.44
-6	15	3	111.59	112.02	53.12	98.62	61.69	-0.43	2.76
-3	15	3	31.39	32.55	28.85	15.07	27.58	-1.16	0.83
0	15	3	24.33	23.24	0.01	23.24	89.98	1.09	0.70
-14	16	3	39.94	39.22	-39.20	0.98	178.57	0.72	1.02
-11	16	3	20.05	19.47	-8.20	17.66	114.91	0.58	0.63
-8	16	3	73.15	72.92	19.47	-70.27	285.49	0.23	1.81
-5	16	3	109.72	111.18	101.36	45.69	24.26	-1.47	2.73
-2	16	3	37.59	38.79	-6.39	38.26	99.48	-1.20	0.97
-16	17	3	82.41	82.27	-51.76	63.94	128.99	0.14	2.04
-13	17	3	46.36	48.51	1.91	-48.47	272.26	-2.15	1.18
-10	17	3	58.57	60.00	37.16	-47.11	308.26	-1.43	1.47
-7	17	3	71.35	71.95	71.95	0.99	0.79	-0.61	1.78
-4	17	3	65.75	65.50	49.42	-42.99	318.98	0.25	1.63
-1	17	3	99.35	100.27	-26.07	96.82	105.07	-0.92	2.44
-18	18	3	55.73	54.24	51.15	18.05	19.43	1.49	1.41
-15	18	3	42.52	42.34	41.83	-6.52	351.13	0.18	1.09
-12	18	3	79.37	79.78	-79.70	-3.63	182.61	-0.41	1.97
-9	18	3	83.73	84.28	-82.93	15.00	169.75	-0.55	2.09
-6	18	3	32.12	31.39	-26.74	16.45	148.40	0.72	0.86
-3	18	3	48.63	49.54	8.09	-48.88	279.40	-0.91	1.24
0	18	3	74.48	72.38	-5.01	-72.20	266.03	2.10	1.86
-17	19	3	60.19	59.84	-50.67	-31.84	212.14	0.36	1.52
-14	19	3	31.84	32.77	25.22	-20.92	320.32	-0.93	0.86
-11	19	3	44.45	45.02	-11.27	-43.58	255.50	-0.57	1.14
-8	19	3	16.34	15.22	5.59	-14.15	291.55	1.13	0.64
-5	19	3	32.64	33.07	11.57	-30.97	290.49	-0.42	0.88
-2	19	3	36.26	35.31	-35.30	0.74	178.79	0.95	0.96
-16	20	3	42.71	42.47	39.78	14.85	20.48	0.25	1.11
-13	20	3	29.08	29.16	1.26	-29.14	272.49	-0.08	0.81
-10	20	3	53.14	54.12	35.03	41.25	49.66	-0.98	1.34
-7	20	3	41.12	40.40	1.69	-40.37	272.40	0.71	1.06
-4	20	3	25.71	25.24	-8.32	23.83	109.24	0.46	0.77
-12	21	3	56.68	56.66	-29.20	48.56	121.02	0.02	1.43
-9	21	3	63.73	62.40	-24.45	57.42	113.06	1.32	1.59
-1	1	4	89.18	84.04	50.96	66.83	52.67	5.14	2.18
0	2	4	104.64	104.70	-27.59	-101.00	254.72	-0.06	2.53
-2	3	4	34.74	35.36	4.46	-35.07	277.25	-0.62	0.88
-4	4	4	160.31	160.79	151.57	53.67	19.50	-0.48	3.83
-1	4	4	60.27	51.05	-20.43	-46.79	246.41	9.21	1.51
-3	5	4	59.04	59.72	-53.00	27.51	152.56	-0.68	1.46
0	5	4	314.50	315.12	-264.10	171.91	146.94	-0.62	7.45
-5	6	4	238.57	244.13	67.39	234.64	73.98	-5.56	5.67
-2	6	4	98.91	98.71	-11.45	98.04	96.66	0.20	2.42
-7	7	4	86.85	87.14	80.51	33.34	22.50	-0.29	2.16
-4	7	4	209.16	212.25	148.79	-151.36	314.51	-3.09	4.98
-1	7	4	24.39	24.24	-20.80	12.46	149.07	0.15	0.65
-6	8	4	66.90	67.14	-31.03	-59.54	242.48	-0.24	1.65
-3	8	4	112.48	114.62	-60.66	-97.25	238.04	-2.13	2.74
0	8	4	11.71	11.08	-0.59	11.06	93.07	0.63	0.53
-8	9	4	54.77	54.08	-53.84	-5.17	185.49	0.69	1.38
-5	9	4	112.83	115.57	50.19	104.10	64.26	-2.73	2.75
-2	9	4	55.06	55.30	-26.13	-48.73	241.80	-0.23	1.38
-10	10	4	154.75	159.83	-51.99	151.14	108.98	-5.09	3.73

-7	10	4	71.15	71.78	37.20	-61.39	301.21	-0.63	1.76
-4	10	4	29.75	27.51	-27.22	3.99	171.67	2.24	0.78
-1	10	4	87.45	88.21	45.26	75.72	59.13	-0.76	2.16
-9	11	4	43.42	43.72	-30.23	-31.59	226.26	-0.30	1.10
-6	11	4	35.65	37.84	-21.31	31.27	124.28	-2.19	0.92
-3	11	4	70.29	69.22	38.20	-57.73	303.49	1.07	1.75
0	11	4	219.26	223.48	144.27	170.67	49.79	-4.22	5.24
-11	12	4	67.25	67.46	-54.07	40.33	143.28	-0.20	1.67
-8	12	4	46.65	49.52	-10.66	-48.36	257.57	-2.87	1.18
-5	12	4	27.53	26.57	25.28	8.18	17.92	0.97	0.74
-2	12	4	45.54	45.86	22.93	39.72	60.00	-0.32	1.16
-13	13	4	12.10	11.96	0.44	-11.95	272.12	0.14	0.61
-10	13	4	8.82	8.82	-7.13	5.18	143.99	0.00	0.69
-7	13	4	78.68	78.18	-49.46	-60.55	230.76	0.50	1.95
-4	13	4	68.32	69.22	-62.93	-28.84	204.62	-0.90	1.70
-1	13	4	37.00	36.05	6.92	-35.37	281.07	0.96	0.95
-12	14	4	62.78	62.58	0.61	-62.57	270.55	0.21	1.57
-9	14	4	64.56	66.33	66.14	-5.10	355.59	-1.78	1.60
-6	14	4	109.59	112.39	71.44	-86.76	309.47	-2.80	2.72
-3	14	4	19.26	19.65	7.40	18.21	67.90	-0.39	0.62
0	14	4	60.23	59.94	44.42	40.25	42.19	0.28	1.51
-14	15	4	38.24	37.64	-34.32	-15.46	204.25	0.60	0.99
-11	15	4	97.85	98.14	-4.33	98.05	92.53	-0.29	2.42
-8	15	4	65.54	66.92	56.67	35.60	32.14	-1.38	1.65
-5	15	4	100.40	102.65	-61.24	82.38	126.63	-2.25	2.48
-2	15	4	86.84	87.70	1.50	-87.69	270.98	-0.87	2.15
-16	16	4	65.18	64.98	-2.58	64.93	92.27	0.20	1.63
-13	16	4	56.34	55.48	54.97	7.48	7.74	0.86	1.41
-10	16	4	141.35	144.45	30.21	141.25	77.93	-3.10	3.46
-7	16	4	83.02	83.03	-80.24	21.33	165.12	0.00	2.06
-4	16	4	111.70	111.93	-99.98	50.31	153.29	-0.23	2.74
-1	16	4	50.96	51.68	-41.05	31.39	142.59	-0.71	1.29
-15	17	4	67.70	67.53	55.75	-38.11	325.65	0.17	1.68
-12	17	4	57.29	58.04	40.53	41.54	45.70	-0.75	1.44
-9	17	4	51.49	50.20	21.92	-45.16	295.90	1.29	1.30
-6	17	4	90.40	91.02	-56.79	71.13	128.61	-0.62	2.24
-3	17	4	34.67	34.28	26.68	-21.52	321.10	0.40	0.91
0	17	4	38.95	38.82	38.31	6.29	9.32	0.13	1.02
-17	18	4	55.33	54.09	-32.64	-43.13	232.88	1.24	1.40
-14	18	4	42.40	43.57	-12.46	-41.75	253.38	-1.18	1.09
-11	18	4	34.58	34.35	32.56	-10.94	341.43	0.23	0.92
-8	18	4	40.31	40.28	-22.28	-33.55	236.42	0.04	1.04
-5	18	4	67.24	66.84	44.09	-50.23	311.27	0.40	1.69
-2	18	4	69.54	68.25	10.95	-67.36	279.23	1.30	1.73
-16	19	4	14.63	15.32	12.67	-8.61	325.80	-0.69	0.70
-13	19	4	10.36	7.02	0.65	-6.99	275.31	3.35	0.77
-10	19	4	27.13	26.57	22.04	-14.84	326.06	0.56	0.77
-7	19	4	43.56	43.47	-27.23	-33.88	231.21	0.10	1.12
-4	19	4	24.77	25.17	9.20	23.43	68.56	-0.40	0.74
-12	20	4	23.41	24.40	0.08	-24.40	270.20	-0.99	0.73
-9	20	4	37.90	37.28	-34.63	13.81	158.26	0.62	0.99
-6	20	4	57.38	58.48	12.95	57.03	77.20	-1.10	1.46
0	1	5	167.89	169.43	-2.61	169.41	90.88	-1.54	4.01
-2	2	5	53.86	50.57	15.60	-48.10	287.97	3.30	1.34
-1	3	5	31.49	31.96	19.06	-25.65	306.62	-0.48	0.81
-3	4	5	15.41	15.38	-6.24	14.06	113.92	0.04	0.52
0	4	5	136.43	139.20	-12.46	138.64	95.14	-2.77	3.29
-5	5	5	328.95	332.98	-332.90	-7.36	181.27	-4.04	7.79
-2	5	5	107.00	109.85	24.23	-107.14	282.75	-2.84	2.62
-4	6	5	6.92	6.15	-5.20	-3.28	212.21	0.77	0.74
-1	6	5	27.74	29.07	-24.06	16.32	145.86	-1.33	0.73
-6	7	5	79.61	81.10	-81.09	-1.17	180.83	-1.49	1.97
-3	7	5	110.58	110.93	107.89	-25.79	346.56	-0.35	2.71
0	7	5	32.58	34.10	33.76	-4.80	351.91	-1.52	0.85
-8	8	5	91.39	94.74	-33.82	-88.49	249.09	-3.34	2.25
-5	8	5	6.65	2.53	2.46	0.59	13.42	4.12	0.80
-2	8	5	33.16	32.57	27.90	-16.80	328.94	0.60	0.85
-7	9	5	71.71	72.53	72.23	-6.63	354.76	-0.82	1.78
-4	9	5	50.77	48.40	21.29	43.46	63.90	2.37	1.27
-1	9	5	52.91	54.00	29.36	-45.32	302.94	-1.09	1.33
-9	10	5	10.49	11.67	0.43	11.66	87.89	-1.18	0.64
-6	10	5	84.22	86.02	-60.12	61.52	134.34	-1.80	2.09
-3	10	5	26.29	26.89	-12.75	23.67	118.30	-0.60	0.71
0	10	5	117.98	119.81	-116.51	27.95	166.51	-1.83	2.90
-11	11	5	70.97	69.36	58.84	36.73	31.97	1.61	1.76
-8	11	5	42.67	41.47	41.39	-2.57	356.45	1.20	1.08
-5	11	5	193.56	196.07	-107.76	163.80	123.34	-2.51	4.64
-2	11	5	81.16	82.07	-81.65	8.26	174.22	-0.91	2.03
-10	12	5	40.10	40.60	39.22	10.50	14.99	-0.50	1.03
-7	12	5	81.19	81.82	52.05	63.14	50.50	-0.63	2.01
-4	12	5	66.32	66.14	53.68	-38.65	324.25	0.18	1.66
-1	12	5	77.38	77.81	-77.51	-6.73	184.96	-0.42	1.93
-12	13	5	57.57	58.65	-15.99	-56.43	254.18	-1.08	1.45
-9	13	5	83.72	85.37	-57.88	-62.74	227.31	-1.64	2.07
-6	13	5	55.34	56.74	56.74	-0.55	359.44	-1.40	1.39
-3	13	5	99.34	100.94	60.64	-80.69	306.92	-1.60	2.45
0	13	5	62.89	63.06	61.83	-12.43	348.64	-0.17	1.58
-14	14	5	78.61	80.58	80.43	4.88	3.47	-1.97	1.95
-11	14	5	50.93	50.74	50.31	-6.63	352.50	0.19	1.28
-8	14	5	39.73	40.46	32.08	-24.66	322.44	-0.73	1.02
-5	14	5	69.89	69.74	-13.35	68.45	101.03	0.15	1.75
-2	14	5	23.33	24.48	-24.45	-1.11	182.59	-1.15	0.69
-13	15	5	15.50	15.77	-0.05	15.77	90.17	-0.27	0.65
-10	15	5	150.12	154.06	-142.71	58.05	157.86	-3.95	3.66
-7	15	5	67.77	68.80	50.25	-47.00	316.91	-1.03	1.69
-4	15	5	12.03	14.34	-5.96	-13.04	245.42	-2.31	0.66

-1	15	5	48.71	49.11	-35.34	34.10	136.03	-0.39	1.25
-15	16	5	104.32	105.53	-69.88	79.08	131.47	-1.21	2.59
-12	16	5	94.25	93.18	-90.09	-23.80	194.80	1.07	2.33
-9	16	5	60.51	60.38	-44.10	-41.24	223.08	0.13	1.52
-6	16	5	43.40	39.49	-29.23	26.55	137.76	3.91	1.11
-3	16	5	72.18	72.20	68.38	-23.19	341.27	-0.03	1.80
0	16	5	101.29	101.16	-36.34	94.41	111.05	0.12	2.50
-14	17	5	80.07	79.24	73.10	-30.58	337.30	0.82	2.00
-11	17	5	67.55	68.27	-67.77	8.29	173.02	-0.72	1.70
-8	17	5	23.09	22.39	21.52	-6.18	343.97	0.70	0.70
-5	17	5	36.59	36.19	22.55	28.30	51.45	0.40	0.96
-2	17	5	27.55	26.17	7.46	25.08	73.43	1.39	0.79
-13	18	5	27.04	26.80	-0.78	-26.79	268.34	0.24	0.78
-10	18	5	29.12	28.84	17.71	22.76	52.12	0.28	0.81
-7	18	5	62.84	63.32	20.37	-59.96	288.76	-0.48	1.58
-4	18	5	69.43	69.70	47.48	-51.02	312.94	-0.27	1.73
-12	19	5	44.72	44.09	7.21	-43.50	279.41	0.63	1.15
-6	19	5	10.67	11.18	10.15	-4.68	335.24	-0.51	0.85
0	0	6	248.82	260.97	-57.84	-254.48	257.20	-12.14	5.92
-1	2	6	46.82	46.81	-45.65	10.34	167.24	0.01	1.18
-3	3	6	120.84	125.97	79.46	-97.75	309.11	-5.13	2.95
0	3	6	72.45	71.10	41.82	-57.50	306.03	1.34	1.79
-2	4	6	40.58	42.06	14.02	39.65	70.53	-1.47	1.04
-4	5	6	37.81	37.38	26.62	26.24	44.59	0.43	0.97
-1	5	6	93.58	93.50	-89.49	27.09	163.16	0.08	2.34
-6	6	6	70.71	70.14	25.27	65.43	68.89	0.57	1.76
-3	6	6	76.85	77.57	77.37	5.62	4.16	-0.72	1.90
0	6	6	155.27	155.17	-134.52	77.34	150.10	0.10	3.75
-5	7	6	45.77	46.05	37.74	-26.39	325.04	-0.28	1.16
-2	7	6	22.82	23.03	23.01	1.04	2.59	-0.21	0.64
-7	8	6	21.37	21.59	18.74	-10.73	330.21	-0.22	0.63
-4	8	6	67.92	70.39	54.19	-44.94	320.33	-2.48	1.68
-1	8	6	52.82	51.54	51.47	2.63	2.92	1.27	1.33
-9	9	6	83.65	83.77	45.61	70.27	57.01	-0.12	2.07
-6	9	6	25.33	25.19	25.17	1.12	2.54	0.14	0.70
-3	9	6	41.69	42.19	-39.91	-13.67	198.91	-0.50	1.07
0	9	6	84.82	86.75	-70.14	51.05	143.95	-1.94	2.09
-8	10	6	30.17	29.69	-19.55	-22.34	228.81	0.48	0.80
-5	10	6	147.80	148.93	-143.51	-39.80	195.50	-1.13	3.59
-2	10	6	73.49	74.33	64.70	-36.58	330.52	-0.83	1.82
-10	11	6	87.22	88.91	-88.57	-7.86	185.07	-1.70	2.15
-7	11	6	59.01	59.71	-31.35	-50.82	238.33	-0.70	1.49
-4	11	6	37.98	37.70	-13.26	-35.29	249.40	0.28	0.97
-1	11	6	85.77	86.85	86.76	-4.00	357.36	-1.08	2.12
-12	12	6	90.13	91.34	37.55	83.26	65.72	-1.21	2.23
-9	12	6	70.22	68.38	57.47	37.07	32.82	1.84	1.76
-6	12	6	89.19	90.04	-58.46	-68.48	229.51	-0.85	2.23
-3	12	6	45.78	45.15	-38.83	23.04	149.32	0.63	1.17
0	12	6	44.46	44.96	-28.14	35.07	128.74	-0.51	1.14
-11	13	6	15.84	17.65	-15.33	8.73	150.33	-1.81	0.65
-8	13	6	34.05	33.95	19.42	-27.85	304.88	0.10	0.90
-5	13	6	6.72	2.78	2.14	1.78	39.75	3.94	0.96
-2	13	6	66.98	68.14	68.14	0.43	0.37	-1.17	1.68
-13	14	6	27.45	27.00	16.22	-21.59	306.92	0.45	0.78
-10	14	6	22.82	22.12	18.85	11.57	31.54	0.70	0.70
-7	14	6	75.23	75.26	75.10	-4.82	356.32	-0.03	1.87
-4	14	6	9.17	9.27	5.02	7.79	57.23	-0.10	0.81
-1	14	6	32.27	33.11	25.15	-21.53	319.43	-0.84	0.86
-15	15	6	83.37	86.00	-82.84	-23.10	195.58	-2.63	2.07
-12	15	6	13.04	12.34	8.91	-8.54	316.20	0.70	0.69
-9	15	6	13.40	14.41	7.14	-12.52	299.71	-1.01	0.69
-6	15	6	32.48	32.61	-32.60	-0.76	181.33	-0.13	0.87
-3	15	6	13.34	12.15	8.15	9.01	47.86	1.19	0.70
0	15	6	70.71	69.85	-69.38	-8.14	186.69	0.85	1.76
-14	16	6	24.88	24.72	9.03	-23.01	291.43	0.17	0.75
-11	16	6	40.56	39.81	-10.00	38.53	104.55	0.75	1.05
-8	16	6	39.22	38.85	21.50	32.36	56.39	0.37	1.02
-5	16	6	115.74	114.79	-107.01	41.54	158.78	0.95	2.85
-2	16	6	36.47	36.02	-18.98	-30.62	238.21	0.45	0.96
-13	17	6	67.42	66.15	66.14	1.25	1.08	1.28	1.69
-10	17	6	46.12	45.70	41.48	19.19	24.83	0.42	1.17
-7	17	6	41.32	41.57	-9.45	40.48	103.14	-0.25	1.06
-4	17	6	13.35	12.44	8.33	9.24	47.97	0.91	0.72
-9	18	6	69.56	69.36	19.06	-66.69	285.95	0.20	1.74
-1	1	7	92.54	93.75	35.02	86.97	68.07	-1.21	2.28
0	2	7	65.98	65.43	48.63	-43.76	318.02	0.56	1.64
-2	3	7	42.99	41.91	40.36	11.29	15.62	1.08	1.09
-4	4	7	80.30	79.22	-54.63	57.38	133.59	1.08	1.99
-1	4	7	16.85	14.89	-12.65	7.85	148.19	1.96	0.58
-3	5	7	54.32	54.39	22.32	-49.60	294.23	-0.07	1.36
0	5	7	59.98	61.38	-26.91	-55.16	244.00	-1.40	1.50
-5	6	7	132.54	131.37	-129.42	-22.56	189.89	1.17	3.24
-2	6	7	30.85	30.41	-19.21	-23.58	230.83	0.44	0.81
-7	7	7	28.18	27.64	7.14	26.70	75.03	0.54	0.76
-4	7	7	86.73	86.23	82.30	25.74	17.37	0.49	2.17
-1	7	7	37.34	37.40	2.67	-37.30	274.10	-0.06	0.97
-6	8	7	20.19	21.08	2.58	20.92	82.97	-0.89	0.64
-3	8	7	65.22	66.01	65.58	-7.58	353.41	-0.79	1.62
0	8	7	72.18	71.77	68.06	-22.77	341.50	0.41	1.80
-8	9	7	41.22	40.82	-21.02	-34.99	239.01	0.40	1.07
-5	9	7	14.65	14.53	-10.55	10.00	136.54	0.11	0.61
-2	9	7	33.23	34.29	-32.50	10.95	161.39	-1.06	0.88
-10	10	7	28.58	29.31	-8.98	-27.90	252.15	-0.73	0.79
-7	10	7	82.42	81.48	80.93	9.49	6.69	0.93	2.03
-4	10	7	47.30	47.50	37.10	29.67	38.66	-0.20	1.20
-1	10	7	37.93	36.75	-36.71	1.80	177.19	1.18	0.99

-9	11	7	25.29	24.89	23.42	8.41	19.75	0.40	0.73
-6	11	7	90.20	91.47	7.75	91.14	85.14	-1.27	2.23
-3	11	7	39.21	39.76	30.31	25.73	40.33	-0.55	1.01
0	11	7	90.98	90.25	-89.10	-14.35	189.15	0.73	2.25
-11	12	7	41.06	41.69	3.04	-41.57	274.19	-0.63	1.06
-8	12	7	21.33	21.04	7.74	-19.56	291.60	0.29	0.68
-5	12	7	36.03	35.73	-28.55	21.48	143.05	0.30	0.95
-2	12	7	31.20	30.92	-29.95	7.66	165.66	0.28	0.84
-13	13	7	52.73	53.24	-1.04	-53.23	268.88	-0.50	1.33
-10	13	7	41.88	42.01	-7.02	-41.42	260.38	-0.14	1.08
-7	13	7	56.48	57.19	55.88	12.16	12.27	-0.71	1.42
-4	13	7	76.09	76.35	73.49	-20.67	344.29	-0.26	1.88
-1	13	7	17.45	15.83	15.07	4.85	17.83	1.62	0.66
-12	14	7	49.47	49.00	27.13	40.80	56.38	0.47	1.25
-9	14	7	55.58	54.59	-23.47	49.29	115.46	0.99	1.40
-6	14	7	41.80	41.89	40.11	-12.05	343.28	-0.09	1.08
-3	14	7	32.03	31.89	-14.05	-28.63	243.86	0.14	0.87
-11	15	7	58.96	59.42	-57.40	-15.36	194.99	-0.46	1.49
-8	15	7	44.13	44.31	40.33	-18.37	335.51	-0.19	1.13
-5	15	7	55.07	54.22	-54.22	0.37	179.61	0.85	1.39
-7	16	7	51.03	49.58	-2.84	-49.50	266.72	1.45	1.29
0	1	8	105.08	105.80	-90.98	-54.01	210.70	-0.73	2.58
-2	2	8	39.02	40.42	16.28	-37.00	293.75	-1.40	1.01
-1	3	8	50.64	50.68	-0.07	50.68	90.08	-0.04	1.27
-3	4	8	37.03	36.51	14.87	-33.34	294.04	0.52	0.96
0	4	8	36.70	37.61	-37.20	-5.53	188.45	-0.91	0.96
-5	5	8	17.38	18.28	-15.97	-8.89	209.10	-0.89	0.63
-2	5	8	64.94	64.20	51.03	38.95	37.35	0.74	1.63
-4	6	8	24.93	25.20	-3.66	24.93	98.35	-0.27	0.71
-1	6	8	95.07	95.83	-75.15	59.46	141.65	-0.76	2.37
-6	7	8	35.71	35.13	-15.59	-31.48	243.65	0.58	0.94
-3	7	8	86.46	86.66	79.34	-34.85	336.29	-0.20	2.14
0	7	8	12.87	12.61	12.57	-1.04	355.25	0.26	0.67
-8	8	8	33.26	32.77	29.49	14.29	25.86	0.50	0.89
-5	8	8	66.19	68.11	66.01	-16.79	345.73	-1.92	1.66
-2	8	8	56.65	57.14	46.64	33.01	35.29	-0.49	1.43
-7	9	8	40.81	40.34	9.70	39.16	76.09	0.47	1.05
-4	9	8	113.52	111.64	-109.94	19.40	169.99	1.88	2.79
-1	9	8	32.29	31.86	25.71	18.81	36.19	0.43	0.87
-9	10	8	12.97	12.21	0.36	12.21	88.31	0.76	0.70
-6	10	8	84.37	82.85	-61.60	-55.40	221.96	1.52	2.09
-3	10	8	18.77	18.48	4.81	-17.85	285.07	0.29	0.67
0	10	8	15.54	16.31	-4.62	-15.65	253.53	-0.78	0.69
-11	11	8	41.72	42.32	-37.49	19.64	152.35	-0.61	1.08
-8	11	8	13.65	12.86	11.02	6.62	30.99	0.80	0.70
-5	11	8	136.77	136.47	-120.36	-64.34	208.13	0.29	3.38
-2	11	8	36.31	36.59	-4.96	-36.25	262.21	-0.28	0.96
-10	12	8	38.00	37.80	-4.59	37.52	96.97	0.20	0.99
-7	12	8	48.69	47.72	-45.17	-15.40	198.83	0.97	1.24
-4	12	8	29.82	29.60	-13.34	26.42	116.80	0.22	0.83
-1	12	8	26.39	26.50	16.54	-20.71	308.61	-0.11	0.77
-9	13	8	46.52	46.03	42.20	18.38	23.54	0.49	1.20
-6	13	8	65.90	64.42	60.88	21.04	19.07	1.48	1.64
-3	13	8	39.21	39.27	33.44	20.60	31.64	-0.06	1.03
0	0	9	79.74	78.44	58.08	-52.72	317.77	1.30	1.98
-1	2	9	9.65	8.29	-0.55	-8.27	266.17	1.36	0.82
-3	3	9	88.86	88.54	38.31	79.82	64.36	0.32	2.21
0	3	9	48.12	48.08	45.95	14.13	17.10	0.04	1.23
-2	4	9	29.46	29.03	-1.71	28.98	93.37	0.43	0.81
-4	5	9	56.16	56.08	-34.12	-44.51	232.53	0.08	1.42
-1	5	9	112.73	112.55	-84.04	-74.86	221.69	0.19	2.78
-6	6	9	101.34	102.78	-101.25	-17.66	189.90	-1.45	2.49
-3	6	9	37.71	37.11	27.37	25.06	42.48	0.60	0.99
0	6	9	113.12	114.86	-17.20	-113.56	261.39	-1.74	2.79
-5	7	9	32.02	30.02	-4.30	29.71	98.24	2.00	0.86
-2	7	9	25.88	25.43	-12.28	-22.27	241.13	0.45	0.76
-7	8	9	46.72	47.24	34.70	32.06	42.74	-0.52	1.20
-4	8	9	53.22	52.82	47.53	23.04	25.87	0.40	1.35
-1	8	9	40.17	39.51	-5.55	39.11	98.07	0.66	1.05
-6	9	9	31.52	31.90	-24.18	20.81	139.29	-0.38	0.86
-3	9	9	46.92	45.67	29.12	-35.18	309.62	1.25	1.20
-5	10	9	28.66	28.74	-1.27	-28.71	267.46	-0.08	0.82
-1	1	10	54.91	54.33	-3.86	-54.20	265.92	0.58	1.38

27.5 seconds elapsed time

```
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
+  Finished at 14:02:53     Total elapsed time:      229.65 secs  +
++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
```