AM-89-422

Sverigeite, a structure containing planar NaO_4 groups and chains of 3- and 4-membered beryllosilicate rings

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For deposit: Table 2

American Mineralogist, 74, 11-12, 1343-1350.

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TABLE 2. OBSERVED AND CALCULATED STRUCTURE FACTORS FOR SVERIGEITE.

H	K	L	FO	FC	A	B	PHI	DEL(F)	SIG*(F)
0	0	2	18.95	14.55	-14.48	1.40	174.46	4.40	1.94
0	4	0	138.76	134.70	134.69	2.04	0.87	4.06	14.02
0	2	2	69.59	72.96	72.74	5.63	4.43	-3.37	7.04
0	5	1	54.58	55.17	-55.09	-2.94	183.06	-0.59	5.52
0	4	2	136.27	140.93	140.62	9.36	3.81	-4.66	13.77
0	1	3	150.29	140.14	-140.12	-2.38	180.97	10.15	15.19
0	6	0	187.56	172.82	172.74	5.47	1.81	14.74	18.95
0	3	3	17.10	14.73	14.61	-1.94	352.43	2.37	1.78
0	6	2	237.55	232.94	232.87	5.66	1.39	4.61	24.01
0	7	1	90.89	84.38	-84.35	-2.05	181.40	6.51	9.19
0	5	3	150.35	135.96	135.92	3.28	1.38	14.39	15.20
0	0	4	362.42	391.45	391.32	9.74	1.43	-29.03	36.62
0	8	0	359.52	388.05	387.94	9.17	1.35	-28.53	36.33
0	2	4	216.65	219.54	219.46	6.05	1.58	-2.89	21.89
0	4	4	26.41	18.14	18.07	1.54	4.89	8.28	2.71
0	8	2	29.87	29.66	29.58	2.10	4.06	0.21	3.05
0	7	3	38.76	38.79	38.75	1.64	2.43	-0.02	3.94
0	9	1	159.64	150.30	150.26	3.72	1.42	9.34	16.14
0	1	5	20.37	17.58	-17.46	2.00	173.47	2.79	2.12
0	6	4	148.72	144.48	144.36	5.84	2.31	4.24	15.03
0	10	0	31.08	27.27	26.93	4.30	9.07	3.81	3.17
0	3	5	5.59	4.77	-4.37	1.91	156.37	0.83	1.29
0	9	3	164.82	166.70	-166.67	-3.48	181.19	-1.89	16.66
0	10	2	30.19	29.97	29.40	5.80	11.16	0.22	3.10
0	5	5	72.08	71.88	-71.81	-3.20	182.55	0.20	7.30
0	8	4	181.47	183.30	183.11	8.31	2.60	-1.83	18.34
0	11	1	32.13	32.74	32.70	1.68	2.94	-0.61	3.28
0	0	6	9.99	6.39	-6.16	1.69	164.70	3.60	1.32
0	2	6	88.06	83.85	83.68	5.33	3.65	4.21	8.91
0	7	5	10.66	9.33	-9.21	-1.52	189.37	1.33	1.46
0	12	0	183.76	188.63	188.61	2.82	0.86	-4.87	18.57
0	4	6	209.30	211.15	210.94	9.25	2.51	-1.85	21.15
0	11	3	23.49	17.91	-17.81	-1.91	186.13	5.57	2.44
0	12	2	84.71	79.34	78.97	7.62	5.51	5.37	8.58
0	10	4	110.81	112.74	112.63	4.83	2.46	-1.92	11.21
0	6	6	127.42	125.76	125.65	5.28	2.41	1.66	12.89
0	13	1	55.10	51.13	-51.04	-3.00	183.36	3.97	5.59
0	9	5	55.80	57.21	57.13	3.02	3.03	-1.41	5.66
0	1	7	44.68	43.04	-42.98	-2.21	182.95	1.64	4.54
0	3	7	9.70	12.40	12.29	-1.61	352.53	-2.70	1.43
0	14	0	148.92	140.38	140.24	6.17	2.52	8.54	15.06
0	8	6	61.98	58.10	58.05	2.41	2.38	3.88	6.29
0	13	3	80.62	72.67	72.60	3.21	2.53	7.95	8.16
0	12	4	84.86	88.71	88.68	2.30	1.48	-3.84	8.59
0	5	7	64.83	65.17	65.11	2.80	2.46	-0.33	6.57
0	14	2	55.09	54.59	54.47	3.60	3.78	0.50	5.60
0	11	5	80.02	74.21	74.18	1.98	1.53	5.81	8.10
0	15	1	99.09	94.59	-94.57	-1.95	181.18	4.50	10.03
0	7	7	18.19	16.30	16.23	1.54	5.42	1.88	2.05
0	10	6	69.90	70.08	69.86	5.56	4.55	-0.18	7.09
0	0	8	188.09	190.44	190.22	9.30	2.80	-2.36	19.01
0	2	8	79.89	83.89	83.73	5.27	3.60	-4.00	8.09
0	16	0	135.09	143.49	143.29	7.54	3.01	-8.40	13.66
0	14	4	140.31	140.34	140.20	6.43	2.63	-0.03	14.19
0	4	8	49.06	46.69	46.64	2.17	2.66	2.37	5.00
0	15	3	42.65	48.44	48.41	1.51	1.79	-5.79	4.36

0	13	5	74.07	65.70	-65.62	-3.23	182.82	8.37	7.51
0	9	7	104.28	98.96	-98.91	-3.28	181.90	5.32	10.55
0	6	8	13.14	17.93	17.24	4.95	16.02	-4.80	1.77
0	12	6	91.31	87.81	87.49	7.45	4.87	3.50	9.25
0	17	1	46.41	41.37	41.27	2.75	3.81	5.05	4.74
1	1	2	75.57	71.68	71.68	0.30	0.24	3.89	7.64
1	4	1	122.43	118.65	118.51	5.69	2.75	3.79	12.37
1	3	2	46.03	46.40	-46.40	-0.28	180.35	-0.37	4.66
1	0	3	108.83	102.58	102.45	5.32	2.98	6.25	11.00
1	2	3	83.89	91.56	91.39	5.70	3.57	-7.68	8.48
1	6	1	167.79	162.27	162.18	5.36	1.89	5.53	16.96
1	5	2	31.70	30.64	30.64	0.25	0.47	1.06	3.23
1	4	3	51.11	52.79	52.53	5.23	5.68	-1.68	5.18
1	1	4	30.97	27.76	27.76	-0.06	359.88	3.21	3.15
1	7	2	37.35	37.86	-37.86	-0.28	180.43	-0.51	3.80
1	8	1	141.47	127.13	127.01	5.55	2.50	14.34	14.30
1	3	4	5.62	2.93	-2.93	0.07	178.57	2.69	1.13
1	6	3	124.97	121.62	121.49	5.63	2.65	3.35	12.63
1	0	5	133.79	133.86	133.75	5.48	2.35	-0.08	13.52
1	9	2	38.96	40.30	40.30	0.26	0.38	-1.34	3.97
1	8	3	73.79	75.45	75.28	5.10	3.88	-1.67	7.47
1	2	5	137.82	139.66	139.55	5.60	2.30	-1.84	13.93
1	10	1	98.36	101.32	101.20	5.09	2.88	-2.97	9.95
1	7	4	6.04	1.87	-1.86	0.06	178.14	4.18	1.42
1	4	5	86.06	87.29	87.12	5.33	3.50	-1.23	8.71
1	6	5	154.19	152.91	152.81	5.54	2.08	1.28	15.59
1	10	3	85.17	82.53	82.35	5.33	3.70	2.65	8.62
1	11	2	32.94	35.80	-35.80	-0.28	180.46	-2.86	3.37
1	1	6	31.15	27.91	-27.91	-0.26	180.53	3.24	3.19
1	9	4	18.79	18.34	18.34	-0.07	359.77	0.45	2.00
1	3	6	46.15	39.23	39.23	0.28	0.40	6.92	4.69
1	12	1	113.14	102.75	102.61	5.24	2.92	10.39	11.44
1	8	5	99.83	101.08	100.95	5.23	2.97	-1.25	10.10
1	5	6	37.75	43.86	-43.85	-0.33	180.43	-6.10	3.85
1	12	3	64.62	63.71	63.53	4.83	4.35	0.90	6.55
1	11	4	6.21	10.14	-10.14	0.01	179.93	-3.93	1.63
1	13	2	20.25	20.08	20.08	0.20	0.58	0.17	2.15
1	7	6	31.49	31.55	31.55	0.23	0.42	-0.05	3.24
1	0	7	106.74	109.12	108.97	5.62	2.95	-2.38	10.80
1	2	7	28.26	27.54	27.08	4.98	10.43	0.72	2.92
1	10	5	117.94	103.52	103.39	5.22	2.89	14.42	11.93
1	14	1	91.12	91.79	91.67	4.78	2.98	-0.67	9.22
1	4	7	71.01	75.93	75.73	5.50	4.16	-4.92	7.20
1	9	6	23.92	22.23	-22.23	-0.28	180.71	1.69	2.53
1	6	7	50.27	48.75	48.50	4.94	5.82	1.52	5.12
1	14	3	90.21	86.02	85.87	5.01	3.34	4.19	9.13
1	12	5	85.13	83.31	83.17	4.92	3.39	1.82	8.62
1	15	2	18.84	17.58	-17.58	-0.24	180.79	1.26	2.08
1	1	8	27.84	31.32	31.32	0.20	0.37	-3.48	2.90
1	8	7	90.05	89.88	89.72	5.37	3.42	0.17	9.12
1	3	8	20.50	23.39	-23.39	-0.21	180.51	-2.90	2.24
1	11	6	18.23	16.19	16.19	0.17	0.61	2.04	2.04
1	16	1	79.09	70.33	70.17	4.78	3.90	8.75	8.01
1	5	8	23.38	22.63	22.63	0.17	0.42	0.75	2.51
1	15	4	7.47	3.69	3.69	0.04	0.59	3.78	1.95
1	10	7	24.82	23.04	22.57	4.65	11.65	1.77	2.63
1	16	3	38.33	42.52	42.29	4.41	5.95	-4.20	3.94
1	14	5	108.72	105.02	104.90	4.93	2.69	3.70	11.00
1	7	8	23.98	20.89	-20.89	-0.22	180.60	3.09	2.58
2	3	1	7.28	8.15	-7.88	-2.05	194.61	-0.87	1.00

2	0	2	334.18	384.95	384.82	9.98	1.49	-50.77	33.77
2	4	0	348.60	435.58	435.47	9.98	1.31	-86.98	35.22
2	2	2	229.57	242.39	242.31	5.88	1.39	-12.81	23.20
2	5	1	116.87	117.51	117.46	3.35	1.63	-0.64	11.81
2	4	2	36.87	35.00	34.96	1.71	2.80	1.87	3.74
2	1	3	106.91	99.10	99.06	2.56	1.48	7.81	10.81
2	6	0	123.76	130.36	130.25	5.23	2.30	-6.59	12.51
2	3	3	18.85	17.15	17.07	1.71	5.72	1.70	1.95
2	6	2	116.67	105.67	105.52	5.61	3.04	11.00	11.79
2	7	1	14.08	14.02	13.93	1.59	6.50	0.07	1.51
2	5	3	174.00	159.75	-159.72	-3.11	181.11	14.25	17.59
2	0	4	33.94	31.33	-31.31	1.27	177.68	2.61	3.45
2	8	0	88.44	98.24	98.21	2.48	1.45	-9.79	8.94
2	2	4	156.95	157.35	157.24	5.83	2.12	-0.40	15.86
2	4	4	190.72	200.66	200.45	9.10	2.60	-9.94	19.27
2	8	2	170.83	176.68	176.48	8.56	2.78	-5.85	17.27
2	7	3	19.63	17.55	-17.45	-1.86	186.09	2.08	2.06
2	9	1	99.71	99.89	-99.83	-3.31	181.90	-0.18	10.08
2	1	5	15.97	16.39	-16.21	-2.46	188.65	-0.42	1.70
2	6	4	218.90	217.54	217.46	5.78	1.52	1.36	22.12
2	10	0	82.17	85.14	84.96	5.65	3.81	-2.98	8.31
2	3	5	42.39	37.49	37.46	-1.47	357.75	4.89	4.31
2	9	3	150.01	151.01	150.96	3.59	1.36	-1.00	15.16
2	10	2	127.79	133.00	132.92	4.71	2.03	-5.21	12.92
2	5	5	28.06	26.69	26.56	2.65	5.69	1.37	2.88
2	8	4	34.33	34.00	33.95	2.01	3.39	0.33	3.51
2	11	1	81.81	84.06	-84.03	-2.11	181.44	-2.24	8.28
2	0	6	300.70	288.34	288.18	9.74	1.94	12.36	30.39
2	2	6	133.71	120.34	120.21	5.48	2.61	13.37	13.52
2	7	5	43.11	38.28	38.24	1.88	2.81	4.83	4.39
2	12	0	132.38	140.76	140.53	8.04	3.27	-8.38	13.38
2	4	6	6.29	3.54	2.97	1.92	32.93	2.75	1.50
2	11	3	24.85	27.66	27.61	1.67	3.46	-2.81	2.58
2	12	2	75.21	76.67	76.64	2.38	1.78	-1.46	7.62
2	10	4	97.16	105.08	104.90	6.01	3.28	-7.91	9.83
2	6	6	81.78	79.83	79.65	5.29	3.80	1.95	8.28
2	13	1	88.10	84.64	84.58	3.34	2.26	3.46	8.92
2	9	5	90.46	89.59	-89.52	-3.53	182.26	0.86	9.15
2	1	7	43.84	37.78	37.72	2.13	3.23	6.06	4.46
2	14	0	5.42	3.94	2.27	3.22	54.81	1.49	1.69
2	8	6	141.25	144.69	144.45	8.32	3.30	-3.44	14.28
2	13	3	70.55	76.87	-76.81	-3.09	182.30	-6.32	7.15
2	12	4	71.43	74.52	74.16	7.34	5.65	-3.09	7.24
2	5	7	80.71	82.02	-81.96	-2.95	182.06	-1.30	8.17
2	14	2	114.14	120.71	120.55	6.26	2.97	-6.57	11.55
2	11	5	47.98	51.41	-51.38	-1.67	181.86	-3.43	4.88
2	15	1	49.48	54.38	54.36	1.53	1.61	-4.90	5.04
2	7	7	10.95	10.31	-10.19	-1.57	188.75	0.65	1.64
2	10	6	52.90	58.40	58.24	4.34	4.27	-5.49	5.38
2	0	8	64.97	53.29	53.25	2.01	2.16	11.68	6.59
2	2	8	45.22	47.14	46.87	5.05	6.14	-1.92	4.61
2	16	0	58.61	68.04	68.00	2.33	1.96	-9.44	5.95
2	14	4	56.14	65.15	65.04	3.73	3.28	-9.01	5.70
2	4	8	147.42	150.14	149.88	8.83	3.37	-2.72	14.91
2	15	3	44.11	38.87	-38.83	-1.73	182.55	5.24	4.50
2	13	5	34.39	36.35	36.25	2.70	4.26	-1.96	3.54
2	9	7	90.16	89.87	89.82	3.08	1.97	0.29	9.13
2	16	2	84.79	97.31	97.05	7.17	4.22	-12.53	8.59
2	6	8	119.36	117.62	117.51	5.14	2.50	1.74	12.08
2	12	6	83.07	76.43	76.39	2.63	1.97	6.64	8.41

3	0	1	235.15	251.63	251.56	5.81	1.32	-16.48	23.76
3	2	1	49.20	55.42	55.16	5.33	5.52	-6.22	4.98
3	1	2	42.26	39.49	39.49	0.28	0.40	2.77	4.28
3	4	1	60.23	65.82	65.58	5.59	4.87	-5.58	6.09
3	3	2	69.34	68.27	-68.27	-0.33	180.27	1.07	7.01
3	0	3	198.93	185.36	185.28	5.41	1.67	13.57	20.10
3	2	3	154.95	156.93	156.82	5.78	2.11	-1.98	15.66
3	6	1	134.11	139.88	139.78	5.34	2.19	-5.77	13.56
3	5	2	86.46	80.23	80.23	0.34	0.24	6.23	8.74
3	4	3	88.78	85.10	84.95	5.21	3.51	3.68	8.98
3	1	4	52.27	51.00	-51.00	-0.14	180.16	1.27	5.29
3	7	2	47.10	47.27	-47.27	-0.31	180.37	-0.18	4.78
3	8	1	146.09	146.03	145.92	5.52	2.17	0.06	14.77
3	3	4	16.44	16.11	16.10	0.10	0.34	0.33	1.73
3	6	3	186.23	186.86	186.77	5.75	1.76	-0.63	18.82
3	5	4	6.86	1.35	-1.34	-0.10	184.21	5.52	1.17
3	0	5	93.46	93.89	93.74	5.33	3.25	-0.42	9.45
3	9	2	25.56	25.97	25.97	0.24	0.52	-0.41	2.63
3	8	3	117.57	119.72	119.61	5.16	2.47	-2.15	11.89
3	2	5	42.04	42.13	41.78	5.41	7.38	-0.09	4.27
3	10	1	40.53	29.15	28.72	4.96	9.79	11.38	4.12
3	7	4	16.02	16.27	16.27	0.07	0.24	-0.25	1.75
3	4	5	69.84	72.01	71.81	5.28	4.21	-2.17	7.07
3	6	5	59.97	60.90	60.67	5.33	5.02	-0.93	6.08
3	10	3	104.20	101.70	101.55	5.38	3.03	2.50	10.54
3	11	2	20.48	21.41	-21.41	-0.27	180.72	-0.93	2.16
3	1	6	38.92	35.49	-35.49	-0.27	180.43	3.42	3.96
3	9	4	38.54	38.22	-38.22	-0.16	180.24	0.33	3.93
3	3	6	25.10	22.04	22.04	0.19	0.50	3.05	2.59
3	12	1	116.41	111.83	111.71	5.21	2.67	4.57	11.77
3	8	5	79.43	80.03	79.86	5.11	3.66	-0.60	8.04
3	5	6	7.39	8.06	-8.06	-0.18	181.28	-0.67	1.47
3	12	3	90.55	92.73	92.61	4.84	2.99	-2.18	9.16
3	11	4	25.65	26.08	26.08	0.10	0.21	-0.43	2.67
3	13	2	29.93	33.85	33.85	0.27	0.45	-3.92	3.09
3	7	6	25.50	22.28	22.28	0.19	0.49	3.22	2.66
3	0	7	117.15	116.40	116.27	5.65	2.78	0.75	11.85
3	2	7	95.51	91.00	90.85	5.15	3.24	4.51	9.66
3	10	5	46.77	42.67	42.37	5.07	6.82	4.10	4.76
3	14	1	83.49	81.87	81.73	4.77	3.34	1.61	8.45
3	4	7	117.49	116.22	116.08	5.54	2.73	1.27	11.88
3	9	6	27.34	26.50	-26.50	-0.29	180.63	0.84	2.85
3	6	7	88.86	86.14	85.99	5.04	3.36	2.72	9.00
3	13	4	14.27	13.00	-13.00	-0.15	180.65	1.27	1.70
3	14	3	127.68	115.59	115.48	5.12	2.54	12.09	12.91
3	12	5	67.65	70.58	70.41	4.86	3.95	-2.92	6.86
3	15	2	26.57	29.49	-29.49	-0.29	180.56	-2.93	2.78
3	1	8	7.58	3.83	-3.83	0.16	177.65	3.74	1.81
3	8	7	113.87	104.64	104.50	5.41	2.96	9.22	11.52
3	11	6	26.26	25.34	25.34	0.16	0.35	0.92	2.76
3	16	1	68.01	64.19	64.01	4.70	4.20	3.82	6.90
3	5	8	6.97	5.47	-5.47	0.08	179.19	1.50	2.15
4	3	1	29.87	20.08	20.01	1.66	4.74	9.79	3.03
4	0	2	168.58	151.29	151.28	1.65	0.62	17.29	17.04
4	4	0	124.29	123.78	-123.77	1.81	179.16	0.51	12.56
4	2	2	157.82	166.27	166.17	5.64	1.95	-8.45	15.95
4	5	1	109.82	115.06	-115.03	-2.97	181.48	-5.24	11.10
4	4	2	278.59	311.36	311.21	9.48	1.74	-32.77	28.15
4	1	3	29.06	27.99	-27.90	-2.22	184.54	1.07	2.96
4	6	0	89.93	88.20	88.04	5.28	3.43	1.73	9.09

4	3	3	48.30	48.71	-48.67	-1.97	182.31	-0.40	4.89
4	6	2	242.59	263.59	263.53	5.65	1.23	-21.00	24.51
4	7	1	12.89	9.15	-8.95	-1.90	191.99	3.74	1.41
4	5	3	158.42	156.50	156.46	3.25	1.19	1.92	16.01
4	0	4	229.91	221.18	220.98	9.41	2.44	8.73	23.23
4	8	0	148.49	154.82	154.57	8.75	3.24	-6.33	15.01
4	2	4	197.46	195.82	195.73	5.95	1.74	1.64	19.95
4	4	4	92.69	92.32	-92.31	1.39	179.13	0.37	9.37
4	8	2	121.46	131.06	131.03	2.34	1.02	-9.60	12.28
4	7	3	23.45	21.84	-21.79	1.52	176.02	1.61	2.42
4	9	1	115.15	111.59	111.54	3.59	1.84	3.56	11.64
4	1	5	16.58	16.21	-16.10	1.91	173.22	0.36	1.76
4	6	4	139.64	128.26	128.13	5.72	2.56	11.39	14.12
4	10	0	26.52	28.34	28.03	4.21	8.55	-1.82	2.72
4	3	5	13.52	13.03	12.89	1.93	8.53	0.49	1.51
4	9	3	107.85	103.02	-102.97	-3.32	181.84	4.84	10.91
4	10	2	88.15	89.57	89.38	5.82	3.72	-1.42	8.92
4	5	5	83.52	88.29	-88.23	-3.21	182.09	-4.78	8.45
4	8	4	85.58	79.42	79.01	8.01	5.79	6.16	8.66
4	11	1	64.68	70.40	70.38	1.74	1.42	-5.72	6.55
4	0	6	18.59	19.78	19.69	1.79	5.19	-1.19	1.97
4	2	6	91.17	80.56	80.39	5.25	3.74	10.61	9.22
4	7	5	6.52	6.04	5.87	-1.41	346.50	0.48	1.40
4	12	0	57.80	54.71	54.65	2.57	2.69	3.09	5.86
4	4	6	202.25	206.96	206.75	9.16	2.54	-4.71	20.44
4	11	3	72.75	69.89	-69.86	-1.99	181.63	2.86	7.37
4	12	2	144.97	140.08	139.87	7.72	3.16	4.89	14.66
4	10	4	105.14	111.38	111.28	4.76	2.45	-6.24	10.64
4	6	6	128.94	128.11	128.00	5.22	2.34	0.83	13.04
4	13	1	62.17	67.33	-67.26	-2.99	182.55	-5.16	6.30
4	9	5	59.52	58.85	58.77	2.93	2.86	0.67	6.04
4	1	7	10.81	10.00	-9.77	-2.12	192.26	0.82	1.47
4	3	7	12.15	10.25	-10.12	-1.59	188.91	1.90	1.54
4	14	0	113.32	116.55	116.40	5.99	2.95	-3.23	11.46
4	8	6	69.22	71.75	71.71	2.50	2.00	-2.53	7.02
4	13	3	90.57	90.04	89.99	3.18	2.03	0.52	9.17
4	12	4	22.94	18.22	18.09	2.15	6.78	4.72	2.43
4	5	7	80.77	79.44	79.40	2.75	1.98	1.33	8.18
4	14	2	78.30	80.37	80.29	3.61	2.57	-2.07	7.93
4	11	5	74.87	71.38	71.36	1.99	1.60	3.49	7.59
4	15	1	58.85	52.44	-52.41	-1.79	181.96	6.41	5.98
4	7	7	9.67	6.12	-5.94	1.48	165.99	3.55	1.68
4	10	6	67.19	66.46	66.23	5.46	4.71	0.73	6.81
4	0	8	216.95	194.33	194.11	9.21	2.72	22.62	21.93
4	2	8	101.08	97.47	97.33	5.26	3.09	3.61	10.23
4	16	0	56.93	56.50	56.04	7.22	7.34	0.43	5.78
4	14	4	130.58	136.85	136.70	6.32	2.65	-6.27	13.21
4	4	8	50.44	44.27	44.22	2.19	2.83	6.17	5.14
4	15	3	17.75	16.92	16.86	1.41	4.79	0.84	2.03
4	13	5	71.14	67.24	-67.16	-3.22	182.75	3.90	7.21
4	9	7	74.44	68.09	-68.02	-3.17	182.67	6.35	7.55
4	16	2	41.91	50.28	50.24	2.12	2.41	-8.37	4.29
5	0	1	111.73	106.44	106.29	5.65	3.04	5.29	11.29
5	2	1	88.43	95.59	95.45	5.32	3.19	-7.17	8.94
5	1	2	98.19	91.60	91.60	0.37	0.23	6.59	9.92
5	4	1	143.90	148.89	148.79	5.64	2.17	-4.99	14.54
5	3	2	39.97	39.30	-39.30	-0.29	180.42	0.67	4.05
5	0	3	108.26	101.28	101.14	5.23	2.96	6.98	10.94
5	2	3	150.50	149.30	149.19	5.74	2.20	1.20	15.21
5	6	1	73.66	72.15	71.96	5.20	4.13	1.52	7.45

5	5	2	15.94	15.18	15.17	0.23	0.86	0.76	1.69
5	4	3	90.83	94.88	94.74	5.22	3.16	-4.05	9.18
5	1	4	12.81	11.96	11.96	-0.07	359.65	0.85	1.42
5	7	2	33.21	35.30	-35.30	-0.30	180.49	-2.08	3.38
5	8	1	106.41	109.61	109.48	5.44	2.84	-3.20	10.76
5	3	4	37.55	38.31	38.31	0.12	0.19	-0.75	3.82
5	6	3	139.98	143.02	142.91	5.63	2.26	-3.04	14.15
5	5	4	58.44	60.43	-60.43	-0.19	180.18	-2.00	5.92
5	0	5	123.93	116.18	116.05	5.41	2.67	7.76	12.53
5	9	2	55.52	59.96	59.96	0.34	0.32	-4.44	5.63
5	8	3	80.65	86.13	85.98	5.02	3.34	-5.48	8.16
5	2	5	52.02	52.92	52.65	5.37	5.83	-0.90	5.27
5	10	1	79.66	87.27	87.13	5.02	3.30	-7.61	8.06
5	7	4	24.51	27.19	27.19	0.12	0.25	-2.68	2.55
5	4	5	65.96	66.98	66.78	5.17	4.43	-1.01	6.68
5	6	5	82.82	78.47	78.29	5.33	3.89	4.35	8.38
5	10	3	106.21	116.57	116.44	5.38	2.64	-10.35	10.74
5	11	2	39.49	45.19	-45.18	-0.32	180.41	-5.70	4.02
5	1	6	5.75	3.35	3.34	-0.14	357.61	2.40	1.54
5	3	6	30.75	28.14	28.14	0.25	0.51	2.61	3.15
5	12	1	95.99	98.28	98.15	5.13	2.99	-2.29	9.71
5	8	5	84.83	89.04	88.89	5.14	3.31	-4.20	8.59
5	5	6	40.42	40.73	-40.73	-0.33	180.47	-0.32	4.12
5	12	3	66.85	74.95	74.79	4.79	3.66	-8.10	6.77
5	13	2	16.51	19.81	19.80	0.21	0.60	-3.29	1.85
5	7	6	23.13	22.62	22.62	0.17	0.44	0.50	2.44
5	0	7	131.71	130.14	130.02	5.57	2.45	1.57	13.32
5	2	7	71.01	71.91	71.74	5.05	4.03	-0.90	7.19
5	10	5	41.77	41.36	41.06	5.00	6.94	0.41	4.26
5	14	1	45.28	50.28	50.06	4.63	5.28	-4.99	4.61
5	4	7	69.11	75.79	75.59	5.46	4.13	-6.68	7.00
5	6	7	100.90	100.83	100.70	5.04	2.87	0.07	10.21
5	13	4	21.27	25.95	-25.95	-0.16	180.34	-4.68	2.30
5	14	3	82.73	93.99	93.86	4.99	3.04	-11.27	8.38
5	12	5	67.64	74.94	74.78	4.80	3.67	-7.30	6.86
5	15	2	7.45	8.32	-8.32	-0.23	181.58	-0.87	1.71
5	8	7	98.53	101.08	100.94	5.30	3.00	-2.55	9.97
5	3	8	9.90	5.44	5.44	-0.17	358.24	4.46	1.72
6	2	0	96.17	93.62	93.47	5.25	3.21	2.55	9.72
6	1	1	25.11	24.28	-24.19	-2.11	185.00	0.83	2.56
6	3	1	5.72	8.37	-8.14	-1.96	193.53	-2.65	1.06
6	0	2	300.76	313.66	313.51	9.68	1.77	-12.90	30.39
6	4	0	278.56	321.81	321.67	9.65	1.72	-43.26	28.15
6	2	2	138.56	146.76	146.65	5.69	2.22	-8.21	14.00
6	5	1	100.36	104.27	104.22	3.23	1.77	-3.92	10.15
6	4	2	7.56	5.24	-4.96	1.68	161.30	2.32	1.14
6	1	3	53.74	49.83	49.77	2.41	2.77	3.91	5.44
6	6	0	155.60	158.52	158.43	5.21	1.88	-2.92	15.72
6	3	3	7.10	7.09	-6.91	1.59	167.05	0.01	1.10
6	6	2	71.15	74.03	73.82	5.46	4.23	-2.87	7.20
6	7	1	5.16	6.49	6.32	1.50	13.34	-1.33	1.32
6	5	3	91.87	94.43	-94.38	-2.91	181.76	-2.56	9.29
6	0	4	14.28	13.96	-13.89	1.33	174.55	0.33	1.54
6	8	0	112.77	118.35	118.33	2.56	1.24	-5.59	11.40
6	2	4	142.49	137.09	136.97	5.71	2.39	5.40	14.40
6	4	4	175.31	177.04	176.82	8.82	2.85	-1.74	17.72
6	8	2	140.22	147.01	146.77	8.28	3.23	-6.79	14.17
6	7	3	18.13	19.41	-19.33	-1.79	185.30	-1.29	1.92
6	9	1	93.43	97.44	-97.38	-3.19	181.88	-4.00	9.45
6	1	5	38.28	40.47	-40.40	-2.41	183.41	-2.19	3.89

6	6	4	195.85	195.23	195.15	5.70	1.67	0.61	19.79
6	10	0	64.24	62.02	61.78	5.49	5.08	2.22	6.51
6	3	5	33.34	33.78	33.75	-1.39	357.64	-0.44	3.40
6	9	3	112.98	113.34	113.29	3.42	1.73	-0.36	11.43
6	10	2	80.12	80.23	80.10	4.55	3.25	-0.11	8.11
6	5	5	39.61	37.89	37.80	2.57	3.89	1.72	4.03
6	8	4	44.18	42.87	42.82	2.06	2.75	1.31	4.49
6	11	1	64.93	65.41	-65.38	-2.01	181.76	-0.48	6.58
6	0	6	241.30	237.14	236.96	9.41	2.27	4.16	24.39
6	2	6	107.76	101.36	101.22	5.35	3.03	6.40	10.90
6	7	5	32.95	33.55	33.50	1.79	3.06	-0.60	3.38
6	12	0	135.12	138.89	138.67	7.82	3.23	-3.77	13.66
6	4	6	19.01	16.65	16.53	1.98	6.82	2.36	2.03
6	11	3	33.62	36.73	36.69	1.63	2.54	-3.11	3.44
6	12	2	64.96	68.81	68.77	2.39	1.99	-3.85	6.58
6	10	4	94.11	96.99	96.81	5.88	3.47	-2.88	9.52
6	6	6	61.13	55.39	55.15	5.12	5.31	5.75	6.20
6	13	1	77.77	71.87	71.80	3.20	2.55	5.90	7.88
6	9	5	97.77	99.60	-99.54	-3.44	181.98	-1.83	9.89
6	1	7	22.01	20.79	20.69	2.01	5.54	1.22	2.32
6	3	7	6.63	5.45	-5.23	1.52	163.79	1.18	1.69
6	14	0	30.52	27.89	27.70	3.25	6.70	2.63	3.15
6	8	6	125.72	126.16	125.90	8.05	3.66	-0.44	12.71
6	13	3	60.15	58.41	-58.33	-2.92	182.86	1.75	6.10
6	12	4	74.53	74.35	74.01	7.12	5.50	0.18	7.55
6	5	7	65.38	66.20	-66.14	-2.79	182.42	-0.83	6.63
6	14	2	101.89	104.12	103.94	6.10	3.36	-2.23	10.31
6	11	5	30.41	29.83	-29.79	-1.56	182.99	0.58	3.14
6	15	1	40.62	43.61	43.59	1.45	1.91	-2.99	4.16
6	7	7	7.41	7.37	-7.22	-1.50	191.72	0.04	2.13
6	10	6	57.46	57.68	57.52	4.29	4.26	-0.22	5.84
7	0	1	190.41	191.22	191.14	5.73	1.72	-0.81	19.24
7	2	1	96.99	98.98	98.84	5.24	3.04	-1.98	9.81
7	1	2	15.96	14.53	14.53	0.23	0.90	1.43	1.66
7	4	1	55.79	55.40	55.13	5.47	5.66	0.38	5.65
7	3	2	47.73	48.88	-48.88	-0.32	180.37	-1.15	4.83
7	0	3	95.26	92.19	92.05	5.24	3.26	3.06	9.63
7	2	3	78.99	82.26	82.07	5.53	3.85	-3.26	7.99
7	6	1	154.44	158.76	158.67	5.27	1.90	-4.32	15.61
7	5	2	61.98	62.02	62.02	0.34	0.32	-0.04	6.27
7	4	3	19.57	19.57	18.93	4.98	14.74	-0.00	2.05
7	1	4	18.59	20.35	-20.35	-0.11	180.32	-1.76	1.95
7	7	2	34.83	38.86	-38.85	-0.29	180.43	-4.03	3.55
7	8	1	121.02	120.33	120.20	5.42	2.58	0.70	12.23
7	3	4	18.53	16.12	-16.12	0.06	179.77	2.41	1.94
7	6	3	116.44	118.45	118.32	5.50	2.66	-2.01	11.77
7	5	4	39.10	37.29	37.29	-0.05	359.93	1.81	3.98
7	0	5	108.80	101.88	101.74	5.25	2.95	6.92	11.00
7	9	2	8.47	9.48	9.48	0.18	1.09	-1.01	1.33
7	8	3	60.26	61.06	60.86	4.97	4.67	-0.80	6.11
7	2	5	130.38	126.79	126.67	5.46	2.47	3.59	13.18
7	10	1	54.47	52.69	52.47	4.84	5.27	1.77	5.52
7	7	4	6.58	8.72	-8.72	0.02	179.84	-2.14	1.60
7	4	5	92.78	90.91	90.76	5.28	3.33	1.87	9.39
7	6	5	131.23	127.58	127.47	5.37	2.41	3.65	13.27
7	10	3	60.37	58.87	58.65	5.12	4.99	1.50	6.12
7	11	2	12.80	15.42	-15.42	-0.25	180.93	-2.62	1.57
7	1	6	48.61	40.89	-40.89	-0.35	180.50	7.73	4.94
7	9	4	15.63	13.26	-13.26	-0.11	180.49	2.37	1.75
7	3	6	18.76	17.66	17.66	0.21	0.67	1.10	2.01

7	12	1	99.36	91.62	91.48	5.10	3.19	7.75	10.05
7	8	5	90.41	87.33	87.19	5.03	3.30	3.08	9.15
7	5	6	5.73	5.48	-5.48	-0.19	181.94	0.25	1.95
7	12	3	52.05	50.10	49.89	4.64	5.31	1.95	5.29
7	11	4	16.17	13.80	13.80	0.11	0.45	2.38	1.84
7	13	2	27.00	27.25	27.25	0.25	0.53	-0.24	2.80
7	7	6	19.29	16.37	16.37	0.23	0.82	2.92	2.10
7	0	7	61.44	66.87	66.64	5.46	4.68	-5.43	6.23
7	2	7	30.78	32.69	32.33	4.85	8.52	-1.91	3.17
7	10	5	109.05	103.09	102.96	5.11	2.84	5.96	11.03
7	14	1	102.23	104.80	104.69	4.69	2.57	-2.57	10.34
7	4	7	75.41	79.62	79.44	5.31	3.82	-4.20	7.64
7	9	6	38.68	36.87	-36.86	-0.40	180.62	1.82	3.96
8	2	0	110.13	118.14	118.02	5.32	2.58	-8.00	11.13
8	1	1	65.81	70.57	70.53	2.47	2.01	-4.76	6.66
8	3	1	38.16	41.94	-41.92	1.43	178.05	-3.79	3.87
8	0	2	36.70	45.51	-45.49	1.41	178.23	-8.81	3.72
8	4	0	112.35	118.04	118.02	2.19	1.06	-5.69	11.35
8	2	2	80.05	75.81	75.62	5.39	4.08	4.23	8.09
8	5	1	53.68	57.30	-57.24	-2.72	182.72	-3.62	5.43
8	4	2	154.08	158.41	158.16	8.86	3.20	-4.33	15.57
8	1	3	33.38	32.96	-32.90	-2.07	183.60	0.42	3.39
8	6	0	55.29	48.96	48.70	5.09	5.96	6.33	5.60
8	3	3	24.42	24.50	24.44	-1.72	355.97	-0.08	2.51
8	6	2	135.09	138.54	138.43	5.38	2.23	-3.45	13.65
8	7	1	44.34	47.36	-47.32	-1.87	182.27	-3.02	4.50
8	5	3	59.77	55.89	55.82	2.93	3.01	3.87	6.05
8	0	4	253.74	248.28	248.11	9.11	2.10	5.46	25.64
8	8	0	208.57	229.05	228.89	8.56	2.14	-20.48	21.08
8	2	4	157.88	153.70	153.59	5.79	2.16	4.18	15.96
8	4	4	16.86	13.93	13.83	1.62	6.66	2.93	1.81
8	8	2	26.62	24.69	24.60	2.14	4.96	1.92	2.74
8	7	3	21.43	26.59	26.55	1.49	3.22	-5.16	2.24
8	9	1	115.43	122.86	122.82	3.47	1.62	-7.43	11.67
8	1	5	10.86	10.83	10.67	1.86	9.90	0.03	1.37
8	6	4	100.28	94.87	94.71	5.53	3.34	5.41	10.14
8	10	0	60.36	62.63	62.48	4.24	3.88	-2.27	6.11
8	3	5	9.51	9.43	9.27	1.77	10.81	0.08	1.35
8	9	3	85.55	91.51	-91.46	-3.12	181.95	-5.97	8.66
8	10	2	53.87	58.30	58.03	5.59	5.51	-4.43	5.47
8	5	5	83.95	89.02	-88.97	-3.04	181.96	-5.07	8.50
8	8	4	125.82	128.71	128.48	7.77	3.46	-2.89	12.72
8	11	1	13.42	15.22	15.15	1.50	5.67	-1.81	1.59
8	0	6	24.17	16.04	15.94	1.80	6.45	8.13	2.50
8	2	6	64.66	57.81	57.58	5.06	5.02	6.86	6.55
8	7	5	5.64	4.48	4.28	-1.33	342.70	1.16	1.87
8	12	0	129.96	139.05	139.02	2.82	1.16	-9.09	13.14
8	4	6	148.61	148.53	148.27	8.65	3.34	0.09	15.02
8	11	3	33.62	35.41	-35.36	-1.83	182.96	-1.79	3.44
8	12	2	61.53	60.85	60.43	7.15	6.74	0.68	6.24
8	10	4	90.40	94.64	94.53	4.68	2.83	-4.25	9.15
8	6	6	113.93	112.53	112.41	5.10	2.60	1.40	11.52
8	13	1	41.56	41.65	-41.56	-2.75	183.78	-0.08	4.24
8	9	5	63.78	67.34	67.28	2.84	2.41	-3.56	6.47
8	1	7	17.88	19.66	-19.56	-1.97	185.76	-1.79	2.00
8	3	7	15.18	16.69	16.63	-1.42	355.11	-1.51	1.79
8	14	0	86.63	86.55	86.36	5.76	3.81	0.08	8.77
9	0	1	91.53	89.38	89.21	5.48	3.52	2.15	9.25
9	2	1	87.98	94.64	94.50	5.17	3.13	-6.66	8.90
9	1	2	52.22	48.82	48.82	0.34	0.40	3.40	5.28

9	4	1	106.88	112.87	112.73	5.45	2.77	-5.99	10.80
9	3	2	20.85	20.91	-20.90	-0.25	180.70	-0.05	2.15
9	0	3	82.00	70.19	70.01	5.02	4.10	11.81	8.29
9	2	3	91.15	92.75	92.59	5.47	3.38	-1.60	9.22
9	6	1	79.10	77.29	77.13	5.04	3.74	1.81	8.00
9	5	2	9.09	5.19	5.19	0.19	2.12	3.90	1.20
9	4	3	73.82	69.31	69.13	5.05	4.18	4.51	7.47
9	1	4	27.76	26.82	26.82	-0.04	359.91	0.94	2.84
9	7	2	18.50	20.83	-20.82	-0.28	180.77	-2.33	1.96
9	8	1	85.93	87.30	87.14	5.26	3.45	-1.36	8.69
9	3	4	8.27	7.52	7.52	0.07	0.51	0.75	1.26
9	6	3	94.08	92.13	91.97	5.36	3.34	1.96	9.52
9	5	4	18.20	22.21	-22.21	-0.11	180.29	-4.01	1.95
9	0	5	93.26	92.88	92.73	5.25	3.24	0.38	9.43
9	9	2	36.64	37.32	37.32	0.31	0.48	-0.68	3.74
9	8	3	66.43	63.95	63.76	4.82	4.32	2.48	6.73
9	2	5	91.79	95.05	94.90	5.31	3.20	-3.26	9.29
9	10	1	82.18	85.94	85.81	4.86	3.24	-3.76	8.32
9	7	4	5.50	3.66	3.66	0.09	1.34	1.84	1.75
9	4	5	55.65	56.56	56.34	4.97	5.04	-0.92	5.64
9	6	5	111.70	107.41	107.28	5.25	2.80	4.28	11.30
9	10	3	84.90	79.41	79.25	5.12	3.70	5.48	8.59
9	11	2	28.46	30.65	-30.65	-0.29	180.54	-2.19	2.94
9	1	6	16.07	13.94	-13.94	-0.19	180.76	2.12	1.79
9	9	4	21.24	21.62	21.62	-0.08	359.79	-0.38	2.25
9	3	6	40.82	36.12	36.12	0.31	0.50	4.70	4.16
9	12	1	82.35	79.23	79.07	4.95	3.58	3.13	8.34
9	8	5	71.62	72.97	72.80	4.98	3.91	-1.35	7.26
9	5	6	49.59	48.70	-48.70	-0.42	180.49	0.89	5.04
10	1	1	8.91	7.28	-7.03	-1.90	195.11	1.62	1.20
10	3	1	11.99	14.39	-14.28	-1.80	187.18	-2.40	1.43
10	0	2	255.03	248.08	247.91	9.18	2.12	6.95	25.77
10	4	0	162.15	172.22	171.99	8.97	2.98	-10.07	16.39
10	2	2	145.03	143.63	143.53	5.51	2.20	1.40	14.66
10	5	1	90.02	96.64	96.59	3.02	1.79	-6.62	9.10
10	4	2	11.00	5.64	-5.36	1.75	161.90	5.36	1.32
10	1	3	18.28	14.17	14.01	2.13	8.66	4.11	1.90
10	6	0	104.68	112.41	112.30	4.96	2.53	-7.73	10.58
10	3	3	17.63	20.05	-20.00	1.40	176.00	-2.42	1.88
10	6	2	103.64	102.47	102.34	5.30	2.97	1.17	10.48
10	7	1	9.67	7.88	-7.77	1.32	170.35	1.79	1.30
10	5	3	46.04	46.91	-46.84	-2.61	183.19	-0.87	4.68
10	0	4	22.91	26.50	-26.47	1.37	177.04	-3.59	2.37
10	8	0	73.08	76.82	76.77	2.58	1.92	-3.74	7.39
10	2	4	100.28	89.72	89.55	5.40	3.45	10.56	10.14
10	4	4	120.26	115.50	115.21	8.24	4.09	4.76	12.16
10	8	2	125.56	123.49	123.25	7.83	3.63	2.07	12.69
10	7	3	18.20	19.20	-19.13	-1.64	184.90	-0.99	1.97
10	9	1	64.32	68.90	-68.83	-2.92	182.43	-4.57	6.52
10	1	5	36.67	37.65	-37.59	-2.24	183.42	-0.98	3.74
10	6	4	153.88	143.38	143.28	5.43	2.17	10.50	15.56
10	10	0	13.23	12.84	11.80	5.07	23.25	0.39	1.56
10	3	5	15.89	14.61	14.55	-1.25	355.10	1.29	1.75
10	9	3	69.57	70.27	70.20	3.09	2.52	-0.69	7.05
10	10	2	89.65	83.11	83.00	4.42	3.05	6.54	9.07
10	5	5	59.40	55.55	55.49	2.41	2.49	3.85	6.02
10	8	4	28.09	24.55	24.47	2.08	4.85	3.53	2.90
10	11	1	49.09	49.81	-49.77	-1.86	182.14	-0.71	4.99
10	0	6	189.30	172.20	171.97	8.82	2.94	17.10	19.13
10	2	6	100.20	93.59	93.45	5.14	3.15	6.61	10.14

10	7	5	17.18	15.17	15.08	1.62	6.15	2.01	1.93
10	12	0	85.76	92.54	92.25	7.32	4.54	-6.77	8.68
11	0	1	129.06	130.07	129.96	5.42	2.39	-1.01	13.04
11	2	1	46.57	45.76	45.49	4.97	6.24	0.80	4.72
11	1	2	19.98	20.42	20.42	0.26	0.72	-0.43	2.09
11	4	1	69.79	72.74	72.55	5.25	4.14	-2.95	7.07
11	3	2	32.07	31.26	-31.26	-0.32	180.59	0.80	3.27
11	0	3	115.34	105.69	105.57	5.07	2.75	9.64	11.66
11	2	3	99.44	103.30	103.16	5.43	3.01	-3.86	10.05
11	6	1	75.45	75.27	75.10	4.95	3.77	0.18	7.63
11	5	2	40.15	38.30	38.29	0.34	0.51	1.86	4.08
11	4	3	71.36	65.91	65.74	4.82	4.19	5.44	7.22
11	1	4	25.84	27.21	-27.21	-0.11	180.23	-1.37	2.65
11	7	2	27.05	25.67	-25.67	-0.29	180.64	1.38	2.78
11	8	1	96.67	98.50	98.37	5.14	2.99	-1.83	9.78
11	3	4	11.71	10.52	10.52	0.11	0.59	1.19	1.45
11	6	3	127.81	116.39	116.27	5.36	2.64	11.42	12.92
11	0	5	64.55	63.67	63.48	4.89	4.41	0.88	6.54
11	9	2	15.76	15.28	15.28	0.21	0.79	0.47	1.78
11	8	3	88.74	82.88	82.74	4.81	3.33	5.86	8.98
11	2	5	39.94	41.62	41.32	5.06	6.98	-1.69	4.07
11	10	1	28.91	26.80	26.40	4.60	9.89	2.11	2.98
11	7	4	9.84	10.35	10.35	0.04	0.24	-0.51	1.52