

Ms.# 8049. Callegari et al. The crystal structure of peprossiite-(Ce)...

Table 5. Observed and calculated structure factors. * mark the reflections considered as not observed during the structure refinement

Crystal Pep1

H	K	L	/FO/	/FC/	H	K	L	/FO/	/FC/	H	K	L	/FO/	/FC/
1	0	0	16.3	15.8	6	1	1	11.9	12.1	0	6	2	10.2	10.6
2	0	0	52.4	53.2	7	1	1	4.7	5.0	1	6	2	11.2	11.4
3	0	0	62.5	63.0	8	1	1	5.9	5.7	2	6	2	11.3	11.5
4	0	0	15.1	15.7	9	1	1	4.9	4.2	3	6	2	5.3	4.9
5	0	0	27.5	27.5	0	2	1	42.7	42.6	4	6	2	6.6	6.4
6	0	0	20.2	20.4	2	2	1	22.9	23.4	5	6	2	5.6	5.2
7	0	0	12.5	12.3	3	2	1	17.9	18.2	0	7	2	10.0	10.1
8	0	0	7.9	7.9	4	2	1	18.2	18.4	1	7	2	6.3	6.4
9	0	0	9.8	9.5	5	2	1	9.1	9.2	2	7	2	5.9	5.8
10	0	0	5.6	5.3	6	2	1	7.6	7.6	3	7	2	6.8	6.6
1	1	0	55.0	54.0	7	2	1	8.8	8.5	4	7	2*	2.3	2.2
2	1	0	21.9	21.0	8	2	1*	2.6	1.6	0	8	2	11.2	10.7
3	1	0	12.0	8.7	9	2	1	4.1	4.0	1	8	2	6.6	6.6
4	1	0	28.0	27.9	3	3	1	9.4	9.6	2	8	2	5.1	4.8
5	1	0	8.0	7.8	4	3	1	13.9	14.1	3	8	2	5.7	5.4
6	1	0	3.3	3.8	5	3	1	6.3	6.3	0	9	2*	2.3	2.4
7	1	0	12.4	12.4	6	3	1	5.2	5.2	1	9	2	4.6	4.4
8	1	0	3.1	1.6	7	3	1	4.6	4.4	2	9	2	3.4	3.1
9	1	0*	2.7	1.5	8	3	1*	2.5	2.2	0	10	2	5.5	5.3
2	2	0	44.5	44.6	0	4	1	26.8	27.2	0	0	3	6.4	6.4
2	3	0	24.8	24.9	4	4	1	7.5	7.3	1	0	3	43.8	44.4
3	3	0	26.0	25.6	5	4	1	8.7	8.7	3	0	3	17.1	17.2
4	3	0	8.4	8.8	6	4	1	5.6	5.1	5	0	3	2.2	1.9
5	3	0	10.2	10.3	7	4	1	3.6	3.3	7	0	3	2.5	2.8
6	3	0	10.1	10.0	5	5	1*	2.5	2.0	9	0	3	4.5	4.0
7	3	0	5.7	5.4	6	5	1	3.9	3.5	1	1	3	59.5	58.1
8	3	0	2.6	2.5	0	6	1	8.6	8.8	2	1	3	29.4	28.9
2	4	0	8.2	7.5	0	8	1	4.5	4.1	3	1	3	31.5	31.2
4	4	0	13.4	12.7	0	10	1	2.3	2.1	4	1	3	22.9	23.0
2	5	0	26.0	25.9	0	0	2	40.2	39.8	5	1	3	15.6	15.6
4	5	0	4.8	4.8	0	1	2	54.2	54.3	6	1	3	13.2	13.3
5	5	0	14.6	14.1	1	1	2	31.0	30.8	7	1	3	8.9	8.9
6	5	0*	2.7	2.7	0	2	2	42.9	42.9	8	1	3	7.6	7.0

2	6	0	6.8	5.9	1	2	2	37.7	37.6	9	1	3	4.5	4.4
4	6	0	3.7	2.1	2	2	2	17.6	17.9	0	2	3	6.1	6.7
2	7	0	5.7	5.6	0	3	2	30.4	30.9	2	2	3	25.4	25.3
4	7	0	6.7	6.2	1	3	2	26.9	27.2	3	2	3	8.9	9.2
2	8	0	10.3	9.9	2	3	2	26.8	27.1	4	2	3	17.9	18.0
2	9	0	2.2	2.0	3	3	2	15.2	15.2	5	2	3	5.8	6.0
0	0	1	28.0	28.2	0	4	2	22.7	22.9	6	2	3	8.1	7.8
1	0	1	47.7	47.5	1	4	2	13.8	14.2	7	2	3	4.2	4.2
3	0	1	14.2	14.4	2	4	2	16.2	16.3	8	2	3*	3.0	2.8
5	0	1	13.5	13.7	3	4	2	13.3	13.4	9	2	3	2.8	2.6
7	0	1	10.7	10.9	4	4	2	6.8	6.9	3	3	3	17.6	17.3
9	0	1	5.2	4.8	0	5	2	24.0	24.4	4	3	3	11.1	11.2
1	1	1	25.5	25.5	1	5	2	17.0	17.5	5	3	3	4.8	4.6
2	1	1	32.7	32.8	2	5	2	8.9	9.2	6	3	3	9.3	8.9
3	1	1	27.8	27.6	3	5	2	14.2	14.0	7	3	3*	2.8	2.2
4	1	1	15.4	15.9	4	5	2	7.4	7.2	8	3	3	3.7	2.7
5	1	1	13.7	14.2	5	5	2	6.0	5.8	0	4	3	21.0	21.2

H K L /FO/ /FC/ H K L /FO/ /FC/ H K L /FO/ /FC/

4	4	3	13.3	13.0	1	0	5	24.7	24.9	2	4	6	11.8	11.5
5	4	3	6.4	6.3	3	0	5	28.8	29.2	3	4	6	11.4	11.8
6	4	3	6.3	6.0	5	0	5	6.2	6.8	4	4	6	5.9	4.7
7	4	3	4.8	4.6	7	0	5	6.4	6.2	0	5	6	28.4	28.6
5	5	3*	2.0	1.3	9	0	5	7.6	7.5	1	5	6	11.2	11.5
6	5	3	3.7	3.2	1	1	5	49.0	48.8	2	5	6	14.7	14.8
0	6	3	13.5	13.7	2	1	5	19.4	19.3	3	5	6	12.3	12.5
0	8	3*	3.0	2.6	3	1	5	18.2	18.2	4	5	6	6.9	7.0
0	10	3*	.7	.6	4	1	5	25.0	25.4	5	5	6	8.4	8.6
0	0	4	29.4	29.6	5	1	5	8.8	9.1	0	6	6	9.3	9.4
0	1	4	48.7	48.8	6	1	5	7.6	8.0	1	6	6	6.8	7.0
1	1	4	28.0	27.0	7	1	5	9.9	10.2	2	6	6	8.6	8.4
0	2	4	36.9	36.8	8	1	5	4.1	3.5	3	6	6	4.0	3.8
1	2	4	34.9	34.8	9	1	5	3.0	2.6	4	6	6	4.5	3.9
2	2	4	17.3	17.3	0	2	5	19.6	19.6	5	6	6	4.1	4.0
0	3	4	29.1	29.3	2	2	5	33.9	34.2	0	7	6	14.0	14.2
1	3	4	25.6	25.4	3	2	5	9.8	10.2	1	7	6	5.4	5.5

2	3	4	23.6	24.1	4	2	5	11.6	12.0	2	7	6	7.6	7.4
3	3	4	16.9	17.0	5	2	5	14.8	15.1	3	7	6	6.8	6.9
0	4	4	19.9	20.1	6	2	5	4.6	4.4	4	7	6*	2.9	2.5
1	4	4	15.4	15.8	7	2	5	4.9	5.1	0	8	6	9.6	9.6
2	4	4	14.4	14.6	8	2	5	5.0	4.9	1	8	6	4.0	3.6
3	4	4	11.5	11.9	3	3	5	18.3	18.7	2	8	6	5.7	5.5
4	4	4	7.8	8.0	4	3	5	8.6	8.9	3	8	6	3.9	3.8
0	5	4	20.9	21.2	5	3	5	2.8	3.2	0	9	6	4.8	4.7
1	5	4	16.0	16.3	6	3	5	9.6	9.7	1	9	6	3.2	2.9
2	5	4	9.3	9.5	7	3	5*	2.7	2.3	0	10	6	5.8	6.2
3	5	4	13.1	13.1	8	3	5*	1.1	1.0	0	0	7	12.7	12.8
4	5	4	6.2	6.3	0	4	5	16.7	17.2	1	0	7	35.0	34.5
5	5	4	6.1	6.0	4	4	5	13.3	13.1	3	0	7	5.8	6.1
0	6	4	11.4	11.9	5	4	5	5.4	5.4	5	0	7	14.3	14.6
1	6	4	10.4	10.5	6	4	5	3.3	3.1	7	0	7	11.1	11.5
2	6	4	10.7	10.8	7	4	5	6.0	5.8	9	0	7*	3.2	3.1
3	6	4	5.8	5.5	5	5	5	5.7	5.7	1	1	7	15.3	14.1
4	6	4	6.3	6.2	6	5	5*	1.8	1.8	2	1	7	27.4	27.2
5	6	4	5.2	5.0	0	6	5	15.5	15.9	3	1	7	24.1	23.8
0	7	4	8.0	8.3	0	8	5*	1.2	1.7	4	1	7	7.5	7.7
1	7	4	7.2	7.3	0	10	5*	2.0	.7	5	1	7	13.0	13.3
2	7	4	4.8	4.8	0	0	6	67.3	67.0	6	1	7	11.5	11.5
3	7	4	6.2	6.1	0	1	6	29.9	29.3	7	1	7*	2.3	1.9
4	7	4*	2.4	2.2	1	1	6	18.4	16.1	8	1	7	5.4	5.6
0	8	4	10.5	10.1	0	2	6	47.8	47.9	9	1	7	4.7	4.3
1	8	4	6.3	6.4	1	2	6	27.0	26.4	0	2	7	33.1	32.9
2	8	4	5.3	5.1	2	2	6	20.8	21.0	2	2	7	12.9	13.3
3	8	4	5.9	5.4	0	3	6	32.8	32.9	3	2	7	17.4	17.7
0	9	4*	2.5	2.2	1	3	6	16.4	15.2	4	2	7	17.0	17.1
1	9	4	4.5	4.3	2	3	6	26.5	26.9	5	2	7	4.7	5.1
2	9	4*	2.5	2.8	3	3	6	12.2	11.9	6	2	7	7.5	7.6
0	10	4	4.9	5.0	0	4	6	19.2	19.7	7	2	7	9.1	8.8
0	0	5	49.0	47.3	1	4	6	12.0	12.2	8	2	7*	1.7	.7

H K L /FO/ /FC/ H K L /FO/ /FC/ H K L /FO/ /FC/

3 3 7 4.0 3.2 0 9 8 5.5 5.4 2 4 10 9.6 9.7

4	3	7	13.3	13.7	1	9	8*	2.5	2.4	3	4	10	7.6	7.9
5	3	7	6.7	6.7	0	0	9	2.8	2.5	4	4	10	8.4	8.2
6	3	7*	2.8	2.3	1	0	9	28.9	28.0	0	5	10	12.6	13.0
7	3	7	4.9	4.7	3	0	9	10.5	10.8	1	5	10	11.4	11.3
8	3	7*	2.7	2.4	5	0	9*	1.6	2.1	2	5	10	8.3	8.6
0	4	7	24.0	24.5	7	0	9*	2.9	2.6	3	5	10	9.5	9.4
4	4	7	4.3	3.2	9	0	9*	2.7	2.8	4	5	10	4.1	4.1
5	4	7	8.7	8.9	1	1	9	31.6	30.6	5	5	10	6.2	5.9
6	4	7	5.6	5.1	2	1	9	21.0	20.6	0	6	10	10.9	11.1
7	4	7*	2.1	1.9	3	1	9	22.7	22.2	1	6	10	7.1	7.4
5	5	7*	.1	.7	4	1	9	15.7	16.0	2	6	10	7.8	7.8
6	5	7	3.7	3.6	5	1	9	11.9	12.2	3	6	10	6.1	5.9
0	6	7	3.5	3.7	6	1	9	10.6	10.7	4	6	10	4.7	4.5
0	8	7	4.8	4.5	7	1	9	6.2	6.5	0	7	10	4.9	5.0
0	0	8	49.5	48.5	8	1	9	6.1	6.0	1	7	10	7.4	7.4
0	1	8	23.1	22.4	9	1	9	3.8	3.9	2	7	10*	3.3	2.8
1	1	8	32.4	32.2	0	2	9	10.3	10.2	3	7	10	4.4	4.3
0	2	8	24.6	24.4	2	2	9	16.6	16.7	0	8	10	7.3	7.4
1	2	8	19.4	19.4	3	2	9	7.3	7.6	1	8	10	4.9	4.7
2	2	8	24.9	24.9	4	2	9	13.7	13.9	2	8	10	5.3	5.2
0	3	8	34.0	33.8	5	2	9	4.0	4.2	0	9	10*	2.6	2.6
1	3	8	13.8	14.1	6	2	9	6.5	6.6	0	0	11	13.1	13.1
2	3	8	15.9	16.3	7	2	9	3.7	3.9	2	0	11	14.9	15.0
3	3	8	18.7	19.1	8	2	9*	2.0	1.7	4	0	11	13.7	13.9
0	4	8	12.8	13.1	3	3	9	12.6	12.4	6	0	11	7.6	7.6
1	4	8	19.3	19.6	4	3	9	8.7	9.0	8	0	11*	1.9	2.6
2	4	8	8.8	9.2	5	3	9	4.3	4.0	0	1	11	20.8	20.5
3	4	8	7.5	7.8	6	3	9	7.0	6.6	1	1	11	21.2	20.9
4	4	8	10.3	10.8	7	3	9*	2.3	2.1	2	1	11	16.3	16.4
0	5	8	14.9	15.4	0	4	9	15.6	15.9	3	1	11	15.3	15.6
1	5	8	9.7	9.9	4	4	9	10.0	9.7	4	1	11	12.0	12.1
2	5	8	13.9	14.2	5	4	9	5.4	5.5	5	1	11	8.9	9.0
3	5	8	8.6	8.7	6	4	9	5.1	5.2	6	1	11	7.7	7.8
4	5	8	4.3	4.2	5	5	9*	2.1	.7	7	1	11	5.1	5.2
5	5	8	8.4	8.4	6	5	9	3.4	3.0	8	1	11	4.2	3.9
0	6	8	14.6	15.0	0	6	9	9.7	10.0	2	2	11	14.7	14.9
1	6	8	5.9	6.3	0	8	9*	3.0	2.5	3	2	11	9.4	9.7
2	6	8	6.9	6.9	0	0	10	28.5	27.5	4	2	11	10.4	10.6
3	6	8	8.0	8.1	0	1	10	23.4	23.1	5	2	11	6.5	6.7

4	6	8	3.4	3.6	1	1	10	23.7	23.0	6	2	11	4.8	5.0
5	6	8	3.3	3.2	0	2	10	19.4	19.2	7	2	11	4.8	4.6
0	7	8	6.6	6.5	1	2	10	19.8	19.7	8	2	11*	2.3	2.2
1	7	8	9.4	9.6	2	2	10	15.3	15.5	0	3	11	11.7	11.7
2	7	8	3.5	3.5	0	3	10	23.4	23.4	3	3	11	8.9	9.0
3	7	8	4.4	4.1	1	3	10	16.3	16.0	4	3	11	8.0	8.2
4	7	8	4.6	4.5	2	3	10	14.7	14.9	5	3	11	3.9	4.2
0	8	8	6.7	6.8	3	3	10	15.4	15.2	6	3	11	5.1	5.1
1	8	8	4.0	3.6	0	4	10	11.9	12.2	7	3	11	3.0	2.6
2	8	8	7.0	6.9	1	4	10	14.0	14.3	4	4	11	6.8	6.8

H K L /FO/ /FC/ H K L /FO/ /FC/ H K L /FO/ /FC/

5	4	11	5.2	5.1	6	1	13	4.1	4.6	3	0	15	2.8	2.8
6	4	11	3.7	3.6	7	1	13	6.2	6.3	5	0	15	2.9	2.9
0	5	11	6.5	7.0	8	1	13*	2.2	2.0	7	0	15*	2.9	2.9
5	5	11*	2.5	2.4	2	2	13	19.5	19.6	1	1	15	12.1	12.0
0	7	11	5.5	5.5	3	2	13	6.8	6.9	2	1	15	13.8	13.6
0	9	11	4.1	3.7	4	2	13	6.9	7.0	3	1	15	15.0	14.6
0	0	12	25.7	25.5	5	2	13	10.9	10.9	4	1	15	6.1	6.4
0	1	12	21.2	20.7	6	2	13*	3.1	2.5	5	1	15	9.0	9.0
1	1	12	5.8	4.0	7	2	13	4.5	4.4	6	1	15	8.3	8.1
0	2	12	29.7	29.5	0	3	13	16.3	16.3	7	1	15*	2.7	2.7
1	2	12	19.4	19.2	3	3	13	10.2	10.3	0	2	15	8.5	8.6
2	2	12	7.6	7.6	4	3	13	5.8	5.8	2	2	15	6.0	6.1
0	3	12	13.5	13.8	5	3	13*	1.4	1.8	3	2	15	6.3	6.5
1	3	12	13.2	12.8	6	3	13	6.3	6.2	4	2	15	10.4	10.2
2	3	12	19.6	19.7	4	4	13	8.4	7.9	5	2	15*	1.7	1.0
3	3	12	4.7	4.2	5	4	13	3.8	4.1	6	2	15	5.5	5.3
0	4	12	15.1	15.2	6	4	13*	2.3	1.8	3	3	15	5.1	4.8
1	4	12	4.1	3.9	0	5	13	6.0	6.0	4	3	15	7.0	7.1
2	4	12	10.1	9.9	5	5	13	4.0	4.1	5	3	15	3.8	3.5
3	4	12	9.8	10.1	0	7	13	5.8	5.6	6	3	15	3.5	3.0
4	4	12*	3.2	1.2	0	0	14	24.7	24.5	0	4	15	11.1	11.4
0	5	12	21.0	21.0	0	1	14	13.1	13.0	4	4	15	4.6	4.5
1	5	12	9.7	10.0	1	1	14	15.7	15.8	5	4	15	4.6	4.6
2	5	12	6.9	7.1	0	2	14	15.4	15.3	0	6	15	3.8	4.1

3	5	12	10.5	10.5	1	2	14	11.6	11.8	0	8	15*	1.9	2.3
4	5	12	6.3	6.2	2	2	14	14.3	14.2	0	0	16	14.0	13.4
5	5	12	4.6	4.7	0	3	14	18.1	18.0	0	1	16	12.4	12.5
0	6	12*	3.0	3.2	1	3	14	8.7	8.9	1	1	16	13.5	13.2
1	6	12	6.6	6.6	2	3	14	10.6	10.8	0	2	16	9.3	9.7
2	6	12	7.6	7.5	3	3	14	10.8	10.8	1	2	16	10.9	11.0
3	6	12*	1.7	.8	0	4	14	9.2	9.1	2	2	16	9.1	9.0
4	6	12	4.3	3.9	1	4	14	11.0	11.1	0	3	16	13.0	13.0
0	7	12	11.7	11.6	2	4	14	6.4	6.6	1	3	16	9.9	9.6
1	7	12*	2.1	1.8	3	4	14	5.8	5.9	2	3	16	8.2	8.4
2	7	12	6.8	6.4	4	4	14	6.4	6.3	3	3	16	10.2	9.9
3	7	12	6.0	6.1	0	5	14	10.5	10.7	0	4	16	6.9	7.1
0	8	12	8.5	8.3	1	5	14	6.4	6.7	1	4	16	9.0	9.1
1	8	12	4.0	3.7	2	5	14	9.1	9.0	2	4	16	6.0	6.0
0	9	12*	1.9	1.8	3	5	14	6.1	6.3	3	4	16	4.7	4.8
0	0	13	23.4	22.9	4	5	14	3.5	3.6	4	4	16	5.9	5.8
2	0	13	12.6	12.8	0	6	14	9.0	8.9	0	5	16	6.8	7.2
4	0	13	10.0	10.2	1	6	14	4.5	4.6	1	5	16	7.3	7.1
6	0	13	9.4	9.7	2	6	14	4.9	5.0	2	5	16	5.5	5.5
8	0	13*	2.2	1.0	3	6	14	5.0	4.8	3	5	16	6.0	6.0
0	1	13	11.8	11.9	0	7	14	5.5	5.5	0	6	16	7.5	7.5
1	1	13	22.4	21.7	1	7	14	5.7	5.7	1	6	16	4.5	4.8
2	1	13	9.8	9.8	2	7	14	3.0	3.2	2	6	16	5.1	5.0
3	1	13	9.0	8.5	0	8	14	5.1	5.1	0	7	16*	3.1	2.8
4	1	13	14.3	14.2	0	0	15	2.2	2.3	1	7	16	5.2	5.3
5	1	13	5.0	4.7	1	0	15	17.0	16.9	0	0	17	3.2	3.5

H K L /FO/ /FC/ H K L /FO/ /FC/ H K L /FO/ /FC/

2	0	17	8.5	9.0	4	4	18*	3.8	3.8	1	4	20*	1.9	1.7
4	0	17	8.6	8.9	0	5	18	9.8	9.8	2	4	20	5.5	5.9
6	0	17	3.2	3.1	1	5	18	3.6	3.9	0	5	20	8.3	8.6
0	1	17	12.5	12.5	2	5	18	7.9	8.1	1	5	20	5.1	5.6
1	1	17	8.3	8.4	0	6	18	5.5	6.0	0	0	21*	2.0	3.0
2	1	17	10.5	10.6	1	6	18*	2.4	2.3	2	0	21	3.4	3.3
3	1	17	10.2	10.3	0	0	19	12.5	12.5	4	0	21	4.6	5.1
4	1	17	4.8	5.1	1	0	19	5.9	6.1	0	1	21	7.1	7.0

5	1	17	6.6	6.7	3	0	19	8.7	8.8	1	1	21	9.0	9.2
6	1	17	5.8	5.9	5	0	19	3.8	4.0	2	1	21	5.6	5.6
2	2	17	5.5	5.5	1	1	19	10.8	10.7	3	1	21	6.2	6.4
3	2	17	6.6	6.7	2	1	19	5.4	5.4	4	1	21	5.6	5.9
4	2	17	6.9	7.4	3	1	19	4.9	4.6	2	2	21	5.9	6.2
5	2	17*	2.2	2.2	4	1	19	7.7	7.8	3	2	21*	2.4	2.4
6	2	17	3.7	4.0	5	1	19	2.8	2.8	0	3	21	4.0	4.3
0	3	17	4.3	4.2	0	2	19	7.3	7.5	3	3	21	4.5	4.7
3	3	17	3.7	3.8	2	2	19	10.6	10.6	0	5	21*	1.5	.8
4	3	17	5.9	5.9	3	2	19	4.0	4.3	0	0	22	6.2	6.6
5	3	17	3.8	3.5	4	2	19	4.0	4.1	0	1	22	6.3	6.5
4	4	17	3.2	3.0	5	2	19	6.2	6.4	1	1	22	6.9	7.1
0	5	17	4.4	4.9	3	3	19	5.6	5.6	0	2	22	4.5	4.7
0	7	17	3.6	3.8	4	3	19	3.4	3.7	1	2	22	5.4	5.8
0	0	18	20.5	20.0	0	4	19	5.6	5.8	2	2	22	4.3	4.8
0	1	18	7.4	7.4	0	6	19	5.1	5.4	0	3	22	6.5	6.8
1	1	18	9.3	9.4	0	0	20	6.3	6.5	1	3	22	5.2	5.3
0	2	18	11.8	11.9	0	1	20	9.7	9.9	2	3	22	3.9	4.5
1	2	18	7.1	7.3	1	1	20	2.1	2.1	0	4	22	3.4	3.8
2	2	18	10.2	10.2	0	2	20	11.6	11.7	0	0	23*	1.7	2.5
0	3	18	13.7	13.9	1	2	20	9.0	9.2	1	0	23	5.8	5.9
1	3	18	4.8	4.5	2	2	20*	2.7	2.7	3	0	23	2.6	3.1
2	3	18	8.4	8.6	0	3	20	3.9	4.0	1	1	23	5.2	5.6
3	3	18	7.2	7.3	1	3	20	7.1	7.4	2	1	23	4.6	5.0
0	4	18	5.4	5.8	2	3	20	8.2	8.6	0	2	23	3.3	3.7
1	4	18	7.3	7.5	3	3	20*	1.2	1.8	0	0	24	9.8	10.4
2	4	18	3.7	3.6	0	4	20	7.7	7.8	0	1	24	3.0	3.5
3	4	18	3.9	4.1										

Crystal Pep2

H	K	L	/FO/	/FC/	H	K	L	/FO/	/FC/	H	K	L	/FO/	/FC/
1	0	0	25.5	23.2	1	1	2	39.1	37.0	2	2	4	22.7	23.2
2	0	0	62.8	60.1	2	1	2	44.8	43.6	3	2	4	28.5	28.6
3	0	0	73.2	70.2	3	1	2	33.2	32.5	4	2	4	19.7	20.4
4	0	0	22.4	21.1	4	1	2	19.6	19.7	5	2	4	12.8	13.4
5	0	0	34.7	33.6	5	1	2	22.1	22.2	3	3	4	21.6	21.5
6	0	0	25.6	25.1	6	1	2	15.9	15.9	4	3	4	15.3	16.2

7	0	0	16.7	17.2	2	2	2	24.3	24.5	5	3	4	16.8	16.3
1	1	0	65.6	64.3	3	2	2	32.5	32.2	4	4	4	12.2	13.4
2	1	0	29.3	27.6	4	2	2	21.7	21.9	0	0	5	49.0	50.2
3	1	0	18.5	19.9	5	2	2	13.5	13.3	1	0	5	28.9	31.0
4	1	0	33.7	32.7	3	3	2	20.2	19.8	2	0	5	24.0	24.5
5	1	0	13.2	13.4	4	3	2	18.1	18.0	3	0	5	32.7	33.8
6	1	0	9.7	8.4	5	3	2	17.9	17.8	4	0	5	21.1	21.9
2	2	0	50.7	49.7	4	4	2	11.3	11.5	5	0	5	10.9	11.4
3	2	0	31.6	30.7	0	0	3*	3.3	3.9	6	0	5	19.9	20.0
4	2	0	13.7	12.0	1	0	3	49.2	50.2	1	1	5	52.2	54.1
5	2	0	31.2	31.3	2	0	3	12.5	12.7	2	1	5	24.7	24.8
3	3	0	31.6	32.0	3	0	3	22.6	22.3	3	1	5	23.4	24.0
4	3	0	12.8	13.6	4	0	3	26.6	26.6	4	1	5	29.3	29.8
5	3	0	15.0	15.2	5	0	3	5.4	5.7	5	1	5	12.7	13.7
4	4	0	17.6	16.6	6	0	3	17.5	18.0	6	1	5	11.3	12.0
1	0	1	59.5	55.3	7	0	3	5.5	6.0	2	2	5	37.6	38.3
2	0	1	51.6	48.9	1	1	3	67.5	66.3	3	2	5	14.5	15.1
3	0	1	22.6	20.8	2	1	3	35.4	35.8	4	2	5	15.9	16.2
4	0	1	33.4	32.3	3	1	3	37.7	37.0	5	2	5	18.0	19.0
5	0	1	20.0	19.5	4	1	3	28.4	28.7	3	3	5	22.6	23.4
6	0	1	13.0	13.2	5	1	3	20.2	20.2	4	3	5	12.3	13.0
7	0	1	15.2	15.2	6	1	3	16.8	17.7	0	0	6	69.4	72.1
1	1	1	33.3	34.0	2	2	3	32.3	32.1	1	0	6	32.5	34.1
2	1	1	40.5	38.6	3	2	3	13.7	14.3	2	0	6	50.9	51.4
3	1	1	34.4	34.0	4	2	3	23.2	24.0	3	0	6	37.9	38.4
4	1	1	22.1	20.8	5	2	3	9.7	9.8	4	0	6	23.2	23.9
5	1	1	19.1	19.1	3	3	3	22.9	21.9	5	0	6	31.8	32.8
6	1	1	16.4	16.2	4	3	3	15.7	15.5	6	0	6	12.1	13.6
2	2	1	29.8	28.5	5	3	3	9.0	7.9	1	1	6	23.0	25.4
3	2	1	24.4	23.9	4	4	3	18.0	18.6	2	1	6	30.7	30.9
4	2	1	23.1	22.7	0	0	4	31.1	33.5	3	1	6	20.4	22.2
5	2	1	14.6	14.0	1	0	4	53.4	55.1	4	1	6	16.2	16.6
3	3	1	15.3	15.6	2	0	4	42.2	42.4	5	1	6	14.8	16.0
4	3	1	19.0	18.5	3	0	4	33.0	33.5	6	1	6	9.4	11.0
5	3	1	11.6	11.1	4	0	4	24.9	25.8	2	2	6	25.3	25.6
4	4	1	12.2	10.9	5	0	4	24.4	24.9	3	2	6	31.0	31.1
0	0	2	46.6	49.1	6	0	4	15.5	16.5	4	2	6	15.3	15.3
1	0	2	61.9	61.4	7	0	4	11.0	11.7	5	2	6	18.4	19.0
2	0	2	50.8	49.4	1	1	4	33.4	32.5	3	3	6	16.8	18.1

3	0	2	37.0	36.7	2	1	4	39.9	41.0	4	3	6	15.4	15.8
4	0	2	28.7	28.6	3	1	4	31.0	31.1	0	0	7	18.2	18.7
5	0	2	29.1	29.0	4	1	4	20.5	21.1	1	0	7	37.3	38.8
6	0	2	15.3	15.2	5	1	4	20.1	20.8	2	0	7	36.6	37.2
7	0	2	14.5	14.2	6	1	4	13.7	14.9	3	0	7	11.3	11.8

H K L /FO/ /FC/ H K L /FO/ /FC/ H K L /FO/ /FC/

4	0	7	27.5	28.2	2	1	9	24.0	24.9	2	0	12	31.4	30.1
5	0	7	18.6	19.7	3	1	9	25.3	25.3	3	0	12	16.6	16.3
6	0	7	5.3	7.2	4	1	9	18.7	19.9	4	0	12	17.5	17.7
1	1	7	19.2	20.9	5	1	9	14.9	15.2	5	0	12	23.7	22.5
2	1	7	30.7	31.5	2	2	9	19.9	21.3	1	1	12	8.1	9.9
3	1	7	27.7	28.7	3	2	9	11.4	11.9	2	1	12	21.8	21.6
4	1	7	11.2	11.6	4	2	9	17.2	17.9	3	1	12	16.0	16.9
5	1	7	16.2	17.5	3	3	9	15.8	15.6	4	1	12	6.4	6.9
6	1	7	14.7	14.9	4	3	9	11.9	12.1	2	2	12	9.7	10.3
2	2	7	17.1	17.3	0	0	10	29.9	29.9	3	2	12	21.8	21.5
3	2	7	21.8	22.5	1	0	10	26.3	26.5	0	0	13	24.4	24.1
4	2	7	19.8	20.4	2	0	10	22.0	22.8	1	0	13	15.1	15.1
5	2	7	8.9	9.1	3	0	10	25.0	25.6	2	0	13	15.9	15.6
3	3	7	7.1	9.3	4	0	10	15.4	16.2	3	0	13	18.8	18.5
4	3	7	16.3	17.4	5	0	10	15.0	15.4	4	0	13	12.7	12.6
0	0	8	51.6	53.1	1	1	10	26.4	25.9	1	1	13	23.5	23.5
1	0	8	25.8	26.4	2	1	10	23.3	23.5	2	1	13	13.6	12.8
2	0	8	28.3	29.2	3	1	10	19.8	19.5	3	1	13	11.9	12.6
3	0	8	37.0	37.4	4	1	10	16.8	17.8	4	1	13	16.2	15.9
4	0	8	17.1	17.4	5	1	10	14.3	14.3	2	2	13	22.1	20.5
5	0	8	18.5	19.6	2	2	10	18.6	19.4	3	2	13	10.0	10.2
6	0	8	17.8	18.2	3	2	10	16.7	17.8	0	0	14	27.9	26.4
1	1	8	33.8	35.2	4	2	10	13.1	14.1	1	0	14	14.7	14.9
2	1	8	22.8	23.7	3	3	10	17.3	17.8	2	0	14	18.4	17.4
3	1	8	17.2	18.0	0	0	11	17.4	16.5	3	0	14	21.1	20.0
4	1	8	22.5	23.0	1	0	11	23.4	23.4	4	0	14	10.6	11.3
5	1	8	13.2	13.5	2	0	11	17.5	17.5	1	1	14	17.8	17.7
2	2	8	28.0	28.8	3	0	11	14.8	15.4	2	1	14	13.8	13.8
3	2	8	19.7	20.4	4	0	11	15.9	16.7	3	1	14	10.8	11.0

4	2	8	12.1	13.2	5	0	11	8.9	9.7	2	2	14	17.7	16.4
5	2	8	17.4	17.8	1	1	11	24.7	25.0	0	0	15	6.4	4.2
3	3	8	21.9	22.3	2	1	11	19.0	19.4	1	0	15	18.9	18.0
4	3	8	10.7	11.5	3	1	11	18.0	18.8	2	0	15	11.2	12.0
0	0	9	6.9	8.2	4	1	11	15.2	15.6	3	0	15*	2.7	6.1
1	0	9	31.1	31.4	2	2	11	17.9	18.3	1	1	15	14.4	13.2
2	0	9	15.1	15.6	3	2	11	12.4	12.6	2	1	15	15.7	15.4
3	0	9	15.1	15.0	4	2	11	13.6	13.6	0	0	16	16.7	15.2
4	0	9	18.8	19.7	3	3	11	11.2	12.4	1	0	16	14.7	13.7
5	0	9	5.0	6.0	0	0	12	27.3	26.0	2	0	16	12.4	11.7
6	0	9	12.9	13.4	1	0	12	23.6	23.4	1	1	16	16.1	14.4
1	1	9	33.2	33.4										