

**Accommodation of the Carbonate Ion
in Apatite: An FTIR and X-ray Structure Study
of Crystals Synthesized at 2-4 GPa**

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SUPPLEMENTARY MATERIALS:

TABLE 6. Lists of observed and calculated structure factors

xt372 (PC17)

H	K	L	FO	FC	H	K	L	FO	FC	H	K	L	FO	FC
0	0	1	0.0	0.0	3	0	-8	39.2	36.8	5	-3	-7	18.2	20.7
0	0	2	138.5	134.4	3	0	-7	0.0	7.1	5	-3	-6	0.0	4.4
0	0	3	0.0	0.0	3	0	-6	0.0	5.3	5	-3	-5	43.5	42.8
0	0	4	200.7	192.9	3	0	-5	8.4	9.3	5	-3	-4	32.9	33.6
0	0	5	0.0	0.0	3	0	-4	70.9	70.5	5	-3	-3	18.6	18.8
0	0	6	94.9	93.2	3	0	-3	21.2	21.4	5	-3	-2	8.0	8.0
0	0	-7	0.0	0.0	3	0	-2	17.6	17.4	5	-3	-1	55.3	55.8
0	0	-8	86.4	79.4	3	0	-1	27.6	26.7	5	-3	0	53.9	53.3
0	0	9	0.0	0.0	3	0	0	134.3	134.9	5	-2	-8	0.0	2.6
1	0	-9	0.0	2.8	4	-3	-9	0.0	11.4	5	-2	-7	26.3	27.1
1	0	-8	0.0	11.7	4	-3	-8	0.0	8.3	5	-2	-6	21.4	21.6
1	0	-7	0.0	2.4	4	-3	-7	17.8	19.3	5	-2	-5	33.0	33.3
1	0	-6	16.5	17.0	4	-3	-6	45.7	45.7	5	-2	-4	0.0	5.9
1	0	-5	6.2	5.9	4	-3	-5	22.3	21.9	5	-2	-3	60.9	60.8
1	0	-4	22.2	22.6	4	-3	-4	6.0	6.6	5	-2	-2	53.7	52.7
1	0	-3	9.2	8.7	4	-3	-3	30.3	29.9	5	-2	-1	56.5	57.5
1	0	-2	28.3	29.6	4	-3	-2	51.6	52.2	5	-2	0	0.0	4.2
1	0	-1	11.8	11.8	4	-3	-1	32.6	33.0	5	-1	-8	18.9	20.0
2	-1	-9	0.0	5.4	4	-3	0	90.1	87.6	5	-1	-7	0.0	6.3
2	-1	-8	0.0	4.1	4	-2	-9	0.0	3.8	5	-1	-6	21.5	22.2
2	-1	-7	0.0	0.3	4	-2	-8	0.0	2.2	5	-1	-5	0.0	7.9
2	-1	-6	69.7	68.3	4	-2	-7	0.0	8.6	5	-1	-4	43.0	43.4
2	-1	-5	14.0	14.6	4	-2	-6	55.0	54.3	5	-1	-3	19.7	20.3
2	-1	-4	8.2	8.1	4	-2	-5	15.6	15.8	5	-1	-2	22.3	22.4
2	-1	-3	37.1	37.4	4	-2	-4	0.0	3.6	5	-1	-1	13.2	12.8
2	-1	-2	81.8	84.9	4	-2	-3	0.0	0.3	5	-1	0	67.2	68.3
2	-1	-1	19.0	18.8	4	-2	-2	97.6	97.6	5	0	-8	0.0	14.9
2	-1	0	12.6	12.6	4	-2	-1	17.7	18.1	5	0	-7	0.0	3.8
2	0	-9	0.0	3.3	4	-2	0	8.3	8.9	5	0	-6	33.2	31.8
2	0	-8	0.0	7.1	4	-1	-9	0.0	10.9	5	0	-5	20.4	21.1
2	0	-7	0.0	2.1	4	-1	-8	0.0	8.1	5	0	-4	21.7	22.3
2	0	-6	10.5	10.6	4	-1	-7	0.0	3.3	5	0	-3	11.0	11.5
2	0	-5	12.0	13.1	4	-1	-6	0.0	1.6	5	0	-2	72.9	72.1
2	0	-4	9.4	10.1	4	-1	-5	9.4	10.7	5	0	-1	30.0	29.6
2	0	-3	34.2	33.5	4	-1	-4	16.1	15.7	5	0	0	10.0	10.7
2	0	-2	58.5	57.3	4	-1	-3	33.5	32.8	6	-5	-8	0.0	9.3
2	0	-1	13.7	13.2	4	-1	-2	42.5	42.2	6	-5	-7	15.5	14.7
2	0	0	26.2	25.8	4	-1	-1	19.5	18.5	6	-5	-6	12.5	13.7
3	-2	-9	21.9	22.2	4	-1	0	43.1	42.6	6	-5	-5	18.2	18.2
3	-2	-8	26.3	26.1	4	0	-9	0.0	4.9	6	-5	-4	0.0	6.1
3	-2	-7	32.2	31.7	4	0	-8	0.0	8.0	6	-5	-3	9.7	10.1
3	-2	-6	10.7	11.3	4	0	-7	0.0	8.2	6	-5	-2	27.3	26.8
3	-2	-5	37.5	37.5	4	0	-6	34.6	34.4	6	-5	-1	24.6	24.7
3	-2	-4	40.4	40.3	4	0	-5	9.8	11.0	6	-5	0	0.0	1.8
3	-2	-3	60.8	61.5	4	0	-4	12.9	13.5	6	-4	-8	29.2	30.4
3	-2	-2	19.5	18.7	4	0	-3	0.0	4.2	6	-4	-7	22.9	23.2
3	-2	-1	62.5	64.1	4	0	-2	69.5	69.4	6	-4	-6	21.4	22.2
3	-2	0	13.0	13.2	4	0	-1	7.7	7.9	6	-4	-5	26.5	26.8
3	-1	-9	32.9	34.4	4	0	0	25.2	25.2	6	-4	-4	50.4	49.8
3	-1	-8	19.8	19.5	5	-4	-8	35.4	33.2	6	-4	-3	56.3	55.4
3	-1	-7	39.3	38.9	5	-4	-7	0.0	8.9	6	-4	-2	22.6	22.0
3	-1	-6	0.0	7.4	5	-4	-6	0.0	12.5	6	-4	-1	38.0	38.0
3	-1	-5	57.5	56.8	5	-4	-5	0.0	5.2	6	-4	0	71.6	70.8
3	-1	-4	31.5	31.4	5	-4	-4	55.8	55.0	6	-3	-8	0.0	15.4
3	-1	-3	91.6	90.6	5	-4	-3	23.2	23.8	6	-3	-7	19.6	19.6
3	-1	-2	29.5	28.3	5	-4	-2	0.0	2.2	6	-3	-6	33.8	33.6
3	-1	-1	95.8	97.1	5	-4	-1	9.6	9.5	6	-3	-5	32.3	31.9
3	-1	0	55.3	57.0	5	-4	0	71.9	72.4	6	-3	-4	27.5	27.7
3	0	-9	0.0	3.6	5	-3	-8	0.0	16.8	6	-3	-3	14.2	14.2

H	K	L	FO	FC	H	K	L	FO	FC	H	K	L	FO	FC
6	-3	-2	30.1	30.3	7	-3	-5	33.7	34.1	8	-4	-3	0.0	4.1
6	-3	-1	43.4	43.5	7	-3	-4	21.2	22.2	8	-4	-2	18.6	18.3
6	-3	0	29.7	29.8	7	-3	-3	61.4	61.6	8	-4	-1	30.7	31.3
6	-2	-8	32.0	30.7	7	-3	-2	9.1	8.9	8	-4	0	64.9	62.8
6	-2	-7	0.0	9.3	7	-3	-1	57.0	56.2	8	-3	-7	0.0	7.9
6	-2	-6	0.0	3.9	7	-3	0	21.9	21.7	8	-3	-6	30.0	27.4
6	-2	-5	0.0	10.6	7	-2	-8	0.0	15.0	8	-3	-5	0.0	4.8
6	-2	-4	40.1	39.7	7	-2	-7	21.0	21.5	8	-3	-4	14.8	15.1
6	-2	-3	16.4	16.8	7	-2	-6	0.0	8.9	8	-3	-3	12.7	12.9
6	-2	-2	22.9	22.8	7	-2	-5	22.7	23.6	8	-3	-2	51.0	50.2
6	-2	-1	20.2	20.5	7	-2	-4	29.7	30.1	8	-3	-1	9.1	9.4
6	-2	0	15.1	14.8	7	-2	-3	36.2	36.2	8	-3	0	18.0	17.9
6	-1	-8	35.6	34.7	7	-2	-2	23.8	25.0	8	-2	-7	0.0	0.6
6	-1	-7	35.6	35.6	7	-2	-1	35.8	35.5	8	-2	-6	0.0	13.7
6	-1	-6	0.0	11.5	7	-2	0	64.8	64.9	8	-2	-5	0.0	6.9
6	-1	-5	50.7	49.9	7	-1	-7	0.0	7.7	8	-2	-4	0.0	1.4
6	-1	-4	51.0	51.4	7	-1	-6	0.0	10.7	8	-2	-3	11.5	12.2
6	-1	-3	61.0	60.8	7	-1	-5	0.0	11.7	8	-2	-2	34.4	33.9
6	-1	-2	30.0	30.8	7	-1	-4	33.8	32.9	8	-2	-1	0.0	4.7
6	-1	-1	68.1	67.3	7	-1	-3	0.0	0.7	8	-2	0	0.0	5.8
6	-1	0	45.2	44.6	7	-1	-2	0.0	3.7	8	-1	-7	0.0	6.0
6	0	-8	0.0	14.1	7	-1	-1	14.7	14.8	8	-1	-6	25.8	27.7
6	0	-7	0.0	4.5	7	-1	0	45.4	44.5	8	-1	-5	0.0	7.9
6	0	-6	35.1	34.2	7	0	-7	0.0	5.4	8	-1	-4	0.0	12.5
6	0	-5	0.0	2.9	7	0	-6	0.0	13.5	8	-1	-3	0.0	1.1
6	0	-4	20.7	21.4	7	0	-5	0.0	1.8	8	-1	-2	37.1	38.5
6	0	-3	0.0	5.1	7	0	-4	0.0	2.7	8	-1	-1	0.0	7.8
6	0	-2	30.5	30.1	7	0	-3	20.9	20.7	8	-1	0	17.6	17.4
6	0	-1	0.0	3.3	7	0	-2	35.2	36.1	8	0	-6	47.4	46.0
6	0	0	18.0	18.4	7	0	-1	0.0	0.3	8	0	-5	0.0	2.5
7	-6	-7	0.0	6.2	7	0	0	0.0	2.9	8	0	-4	38.1	35.6
7	-6	-6	0.0	8.5	8	-7	-7	0.0	5.6	8	0	-3	0.0	7.4
7	-6	-5	0.0	10.8	8	-7	-6	0.0	7.0	8	0	-2	66.7	63.3
7	-6	-4	45.0	44.1	8	-7	-5	0.0	0.9	8	0	-1	0.0	5.9
7	-6	-3	15.9	16.5	8	-7	-4	56.9	56.6	8	0	0	49.8	48.7
7	-6	-2	23.6	24.3	8	-7	-3	16.3	16.9	9	-8	-6	0.0	14.3
7	-6	-1	18.7	19.4	8	-7	-2	19.5	20.0	9	-8	-5	0.0	5.8
7	-6	0	38.6	37.9	8	-7	-1	0.0	4.8	9	-8	-4	0.0	5.2
7	-5	-8	0.0	6.5	8	-7	0	68.6	66.7	9	-8	-3	0.0	3.7
7	-5	-7	0.0	14.4	8	-6	-7	0.0	5.0	9	-8	-2	31.8	31.6
7	-5	-6	31.1	30.9	8	-6	-6	0.0	0.6	9	-8	-1	0.0	9.0
7	-5	-5	16.2	17.2	8	-6	-5	0.0	5.0	9	-8	0	0.0	1.4
7	-5	-4	0.0	0.5	8	-6	-4	32.7	32.3	9	-7	-6	0.0	3.1
7	-5	-3	22.3	22.5	8	-6	-3	0.0	6.5	9	-7	-5	0.0	0.4
7	-5	-2	72.9	70.6	8	-6	-2	0.0	8.7	9	-7	-4	19.6	18.8
7	-5	-1	22.8	22.5	8	-6	-1	0.0	7.8	9	-7	-3	0.0	10.0
7	-5	0	30.6	30.8	8	-6	0	21.0	20.8	9	-7	-2	0.0	4.4
7	-4	-8	0.0	3.6	8	-5	-7	0.0	1.6	9	-7	-1	0.0	3.2
7	-4	-7	0.0	3.9	8	-5	-6	38.1	37.2	9	-7	0	25.4	24.0
7	-4	-6	21.5	21.8	8	-5	-5	0.0	2.2	9	-6	-7	0.0	11.9
7	-4	-5	0.0	9.2	8	-5	-4	23.0	24.2	9	-6	-6	43.4	43.5
7	-4	-4	0.0	8.8	8	-5	-3	0.0	4.9	9	-6	-5	23.6	22.7
7	-4	-3	0.0	5.6	8	-5	-2	60.8	59.6	9	-6	-4	0.0	4.4
7	-4	-2	47.4	48.0	8	-5	-1	0.0	3.1	9	-6	-3	0.0	5.6
7	-4	-1	11.8	11.6	8	-5	0	32.2	32.3	9	-6	-2	47.8	47.6
7	-4	0	6.8	8.5	8	-4	-7	0.0	11.6	9	-6	-1	24.2	24.7
7	-3	-8	0.0	12.6	8	-4	-6	0.0	0.7	9	-6	0	12.2	12.1
7	-3	-7	31.1	32.7	8	-4	-5	22.2	23.9	9	-5	-7	0.0	11.3
7	-3	-6	0.0	5.2	8	-4	-4	60.9	59.0	9	-5	-6	0.0	6.1

H	K	L	FO	FC	H	K	L	FO	FC	H	K	L	FO	FC
9	-5	-5	21.2	21.4	10	-7	-2	0.0	8.0	11	-8	-2	0.0	18.5
9	-5	-4	0.0	9.0	10	-7	-1	14.2	16.0	11	-8	-1	0.0	5.7
9	-5	-3	19.2	20.8	10	-7	0	0.0	6.7	11	-8	0	14.7	17.0
9	-5	-2	15.7	15.7	10	-6	-6	0.0	5.8	11	-7	-5	0.0	2.8
9	-5	-1	27.0	26.7	10	-6	-5	19.2	18.3	11	-7	-4	34.9	36.3
9	-5	0	11.9	13.9	10	-6	-4	0.0	19.5	11	-7	-3	0.0	3.6
9	-4	-7	0.0	15.7	10	-6	-3	17.7	18.4	11	-7	-2	0.0	6.7
9	-4	-6	0.0	14.6	10	-6	-2	0.0	3.1	11	-7	-1	0.0	1.7
9	-4	-5	21.9	22.0	10	-6	-1	24.6	24.9	11	-7	0	41.8	40.2
9	-4	-4	0.0	5.6	10	-6	0	25.8	25.7	11	-6	-5	0.0	25.3
9	-4	-3	19.4	21.9	10	-5	-6	0.0	11.7	11	-6	-4	25.1	25.4
9	-4	-2	14.1	13.7	10	-5	-5	0.0	17.9	11	-6	-3	0.0	17.0
9	-4	-1	27.3	28.0	10	-5	-4	0.0	15.2	11	-6	-2	0.0	6.7
9	-4	0	0.0	5.5	10	-5	-3	0.0	19.0	11	-6	-1	27.4	28.7
9	-3	-7	24.1	26.9	10	-5	-2	25.9	27.4	11	-6	0	29.3	29.9
9	-3	-6	38.6	37.5	10	-5	-1	23.6	23.3	11	-5	-5	0.0	18.0
9	-3	-5	37.4	36.6	10	-5	0	33.5	33.9	11	-5	-4	0.0	12.3
9	-3	-4	0.0	1.8	10	-4	-6	0.0	13.0	11	-5	-3	26.0	26.4
9	-3	-3	30.7	30.5	10	-4	-5	0.0	0.5	11	-5	-2	0.0	7.8
9	-3	-2	43.0	43.1	10	-4	-4	0.0	9.5	11	-5	-1	23.7	23.8
9	-3	-1	47.5	47.7	10	-4	-3	0.0	1.6	11	-5	0	0.0	7.2
9	-3	0	0.0	2.3	10	-4	-2	0.0	9.0	11	-4	-5	0.0	13.4
9	-2	-6	0.0	9.4	10	-4	-1	0.0	0.7	11	-4	-4	21.6	23.5
9	-2	-5	18.2	18.7	10	-4	0	0.0	1.9	11	-4	-3	0.0	15.1
9	-2	-4	28.4	27.9	10	-3	-6	0.0	9.5	11	-4	-2	0.0	6.4
9	-2	-3	16.8	16.8	10	-3	-5	0.0	14.7	11	-4	-1	17.1	17.8
9	-2	-2	0.0	6.2	10	-3	-4	24.6	23.5	11	-4	0	24.8	24.5
9	-2	-1	23.2	23.2	10	-3	-3	32.4	31.6	11	-3	-4	0.0	3.4
9	-2	0	30.1	31.6	10	-3	-2	0.0	1.7	11	-3	-3	0.0	5.8
9	-1	-6	0.0	17.9	10	-3	-1	23.9	22.7	11	-3	-2	20.1	21.6
9	-1	-5	0.0	8.6	10	-3	0	34.2	33.7	11	-3	-1	0.0	16.8
9	-1	-4	0.0	9.2	10	-2	-5	0.0	9.5	11	-3	0	0.0	2.4
9	-1	-3	0.0	9.4	10	-2	-4	22.5	23.9	11	-2	-4	0.0	5.8
9	-1	-2	0.0	6.7	10	-2	-3	0.0	17.2	11	-2	-3	0.0	12.9
9	-1	-1	11.6	11.9	10	-2	-2	0.0	10.4	11	-2	-2	0.0	13.4
9	-1	0	0.0	10.1	10	-2	-1	13.1	14.3	11	-2	-1	0.0	6.2
9	0	-6	0.0	16.7	10	-2	0	32.1	32.0	11	-2	0	0.0	7.2
9	0	-5	0.0	14.0	10	-1	-5	0.0	11.5	11	-1	-3	45.7	44.7
9	0	-4	0.0	15.2	10	-1	-4	17.7	19.7	11	-1	-2	33.5	33.0
9	0	-3	20.1	20.4	10	-1	-3	0.0	22.8	11	-1	-1	43.0	41.2
9	0	-2	20.4	20.9	10	-1	-2	0.0	0.4	11	-1	0	0.0	6.9
9	0	-1	20.2	20.2	10	-1	-1	16.7	17.2	11	0	-2	0.0	6.0
9	0	0	22.1	22.1	10	-1	0	14.6	16.2	11	0	-1	0.0	7.1
10	-9	-5	0.0	2.0	10	0	-4	0.0	14.0	11	0	0	0.0	0.4
10	-9	-4	0.0	16.1	10	0	-3	0.0	1.2	12	-10	-2	0.0	2.9
10	-9	-3	0.0	11.0	10	0	-2	0.0	3.8	12	-10	-1	0.0	0.6
10	-9	-2	0.0	3.6	10	0	-1	0.0	10.7	12	-10	0	22.1	23.4
10	-9	-1	0.0	3.7	10	0	0	19.4	18.9	12	-9	-3	0.0	14.3
10	-9	0	23.8	23.8	11	-10	-3	0.0	15.8	12	-9	-2	0.0	20.5
10	-8	-5	0.0	13.6	11	-10	-2	0.0	8.4	12	-9	-1	0.0	16.4
10	-8	-4	0.0	4.2	11	-10	-1	0.0	11.5	12	-9	0	0.0	11.9
10	-8	-3	0.0	18.3	11	-10	0	40.9	39.5	12	-8	-3	0.0	13.0
10	-8	-2	36.6	36.5	11	-9	-4	25.9	28.8	12	-8	-2	36.9	35.0
10	-8	-1	16.8	17.8	11	-9	-3	31.5	32.1	12	-8	-1	0.0	18.9
10	-8	0	13.8	13.0	11	-9	-2	0.0	14.5	12	-8	0	15.5	14.9
10	-7	-6	0.0	7.0	11	-9	-1	38.7	36.9	12	-7	-4	0.0	0.0
10	-7	-5	0.0	14.3	11	-9	0	28.2	26.5	12	-7	-3	0.0	3.5
10	-7	-4	0.0	8.9	11	-8	-4	0.0	2.3	12	-7	-2	0.0	17.1
10	-7	-3	0.0	6.1	11	-8	-3	0.0	5.5	12	-7	-1	0.0	13.3

H	K	L	FO	FC	H	K	L	FO	FC	H	K	L	FO	FC
12	-7	0	0.0	3.6	12	-5	0	21.8	24.0	12	-2	-1	0.0	16.1
12	-6	-4	0.0	9.7	12	-4	-3	0.0	1.1	12	-2	0	0.0	16.6
12	-6	-3	0.0	2.8	12	-4	-2	29.3	31.1	13	-8	-1	0.0	3.3
12	-6	-2	0.0	21.7	12	-4	-1	0.0	0.9	13	-8	0	0.0	18.1
12	-6	-1	0.0	5.3	12	-4	0	21.9	20.5	13	-7	-1	0.0	11.4
12	-6	0	0.0	12.4	12	-3	-3	0.0	9.8	13	-7	0	0.0	20.6
12	-5	-4	0.0	16.4	12	-3	-2	0.0	13.5	13	-6	-1	0.0	21.2
12	-5	-3	0.0	7.0	12	-3	-1	0.0	11.2	13	-6	0	22.4	21.6
12	-5	-2	0.0	0.8	12	-3	0	27.6	27.9	13	-5	-1	0.0	0.5
12	-5	-1	0.0	19.2	12	-2	-2	0.0	4.6	13	-5	0	28.5	29.4

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H	K	L	FO	FC	H	K	L	FO	FC	H	K	L	FO	FC
0	0	1	0.0	0.0	3	0	-8	38.6	37.2	5	-3	-7	20.1	19.2
0	0	2	134.3	134.5	3	0	-7	0.0	6.6	5	-3	-6	0.0	4.2
0	0	3	0.0	0.0	3	0	-6	0.0	5.8	5	-3	-5	42.6	42.3
0	0	4	195.6	193.5	3	0	-5	0.0	8.9	5	-3	-4	32.9	34.0
0	0	5	0.0	0.0	3	0	-4	72.1	71.5	5	-3	-3	17.7	17.9
0	0	6	93.1	92.2	3	0	-3	20.5	20.6	5	-3	-2	0.0	6.8
0	0	7	0.0	0.0	3	0	-2	16.8	16.1	5	-3	-1	55.0	54.8
0	0	8	83.0	78.8	3	0	-1	28.2	27.0	5	-3	0	55.0	53.5
0	0	9	0.0	0.0	3	0	0	136.7	135.5	5	-2	-8	0.0	2.5
1	0	-9	0.0	3.5	4	-3	-9	0.0	10.9	5	-2	-7	25.3	26.2
1	0	-8	0.0	11.6	4	-3	-8	0.0	8.1	5	-2	-6	22.6	21.8
1	0	-7	0.0	1.9	4	-3	-7	20.0	19.6	5	-2	-5	32.0	32.6
1	0	-6	16.6	16.6	4	-3	-6	43.7	44.9	5	-2	-4	0.0	5.9
1	0	-5	0.0	5.2	4	-3	-5	21.5	21.9	5	-2	-3	59.9	60.2
1	0	-4	22.6	22.8	4	-3	-4	0.0	6.1	5	-2	-2	51.4	51.7
1	0	-3	9.7	8.9	4	-3	-3	31.0	30.8	5	-2	-1	56.9	56.7
1	0	-2	27.1	27.8	4	-3	-2	52.0	51.4	5	-2	0	5.0	4.5
1	0	-1	11.5	11.7	4	-3	-1	33.5	33.9	5	-1	-8	18.2	19.4
2	-1	-9	0.0	5.1	4	-3	0	90.4	86.4	5	-1	-7	0.0	4.8
2	-1	-8	0.0	4.5	4	-2	-9	0.0	2.3	5	-1	-6	23.8	23.1
2	-1	-7	0.0	0.4	4	-2	-8	0.0	1.5	5	-1	-5	0.0	7.0
2	-1	-6	69.8	68.5	4	-2	-7	0.0	6.8	5	-1	-4	41.4	42.1
2	-1	-5	14.2	15.0	4	-2	-6	54.6	54.2	5	-1	-3	17.7	18.6
2	-1	-4	8.1	7.8	4	-2	-5	12.9	13.7	5	-1	-2	24.6	24.7
2	-1	-3	37.5	36.9	4	-2	-4	0.0	3.7	5	-1	-1	10.9	10.8
2	-1	-2	84.4	86.5	4	-2	-3	0.0	1.9	5	-1	0	65.2	65.6
2	-1	-1	18.7	19.2	4	-2	-2	97.6	97.2	5	0	-8	0.0	13.7
2	-1	0	13.3	13.3	4	-2	-1	15.1	15.7	5	0	-7	0.0	3.3
2	0	-9	0.0	3.1	4	-2	0	6.7	7.6	5	0	-6	30.8	30.2
2	0	-8	0.0	7.2	4	-1	-9	0.0	10.7	5	0	-5	18.3	20.5
2	0	-7	0.0	2.4	4	-1	-8	0.0	8.3	5	0	-4	20.6	20.5
2	0	-6	0.0	10.6	4	-1	-7	0.0	3.4	5	0	-3	11.2	11.4
2	0	-5	11.7	13.1	4	-1	-6	0.0	1.2	5	0	-2	70.1	69.4
2	0	-4	9.1	9.7	4	-1	-5	0.0	10.0	5	0	-1	28.6	28.4
2	0	-3	34.3	33.6	4	-1	-4	16.5	16.4	5	0	0	0.0	8.3
2	0	-2	57.5	57.6	4	-1	-3	33.0	32.5	6	-5	-8	0.0	10.1
2	0	-1	13.3	13.0	4	-1	-2	41.0	41.1	6	-5	-7	14.6	14.5
2	0	0	25.0	24.6	4	-1	-1	18.3	17.1	6	-5	-6	0.0	12.8
3	-2	-9	21.0	22.1	4	-1	0	43.6	43.4	6	-5	-5	0.0	17.6
3	-2	-8	24.7	25.3	4	0	-9	0.0	4.9	6	-5	-4	0.0	6.2
3	-2	-7	31.8	32.0	4	0	-8	0.0	8.0	6	-5	-3	0.0	10.1
3	-2	-6	11.6	11.8	4	0	-7	0.0	8.1	6	-5	-2	24.5	24.8
3	-2	-5	37.8	37.4	4	0	-6	33.2	34.0	6	-5	-1	24.2	24.5
3	-2	-4	38.3	38.7	4	0	-5	10.4	11.8	6	-5	0	0.0	1.6
3	-2	-3	62.0	61.5	4	0	-4	11.7	12.7	6	-4	-8	30.4	29.5
3	-2	-2	18.9	17.7	4	0	-3	0.0	4.5	6	-4	-7	23.6	23.3
3	-2	-1	62.1	63.4	4	0	-2	68.6	67.9	6	-4	-6	20.0	21.6
3	-2	0	12.1	12.3	4	0	-1	8.2	8.7	6	-4	-5	27.3	27.7
3	-1	-9	32.5	33.5	4	0	0	23.3	23.9	6	-4	-4	49.8	48.8
3	-1	-8	18.3	18.6	5	-4	-8	32.0	33.1	6	-4	-3	56.5	56.2
3	-1	-7	37.6	37.6	5	-4	-7	0.0	8.2	6	-4	-2	22.1	23.4
3	-1	-6	0.0	7.0	5	-4	-6	12.7	12.2	6	-4	-1	38.8	39.8
3	-1	-5	56.9	56.2	5	-4	-5	0.0	4.3	6	-4	0	71.7	69.9
3	-1	-4	31.3	30.9	5	-4	-4	53.8	53.7	6	-3	-8	0.0	15.7
3	-1	-3	90.5	90.2	5	-4	-3	21.4	22.1	6	-3	-7	19.2	18.4
3	-1	-2	29.0	28.0	5	-4	-2	0.0	3.8	6	-3	-6	32.5	32.9
3	-1	-1	95.1	96.5	5	-4	-1	8.1	8.3	6	-3	-5	29.6	29.8
3	-1	0	56.0	57.6	5	-4	0	70.1	71.2	6	-3	-4	28.0	28.5
3	0	-9	0.0	3.0	5	-3	-8	0.0	16.4	6	-3	-3	13.4	13.5

H	K	L	FO	FC	H	K	L	FO	FC	H	K	L	FO	FC
6	-3	-2	28.8	29.4	7	-3	-5	33.3	33.0	8	-4	-3	0.0	4.7
6	-3	-1	41.5	41.2	7	-3	-4	20.1	20.4	8	-4	-2	14.7	15.6
6	-3	0	30.3	30.9	7	-3	-3	60.0	60.1	8	-4	-1	29.1	30.5
6	-2	-8	28.5	29.2	7	-3	-2	9.9	9.9	8	-4	0	62.8	60.6
6	-2	-7	0.0	9.0	7	-3	-1	55.8	55.5	8	-3	-7	0.0	7.6
6	-2	-6	0.0	4.5	7	-3	0	19.8	20.5	8	-3	-6	27.4	26.8
6	-2	-5	0.0	10.3	7	-2	-8	0.0	15.3	8	-3	-5	0.0	3.7
6	-2	-4	38.1	37.8	7	-2	-7	20.3	20.5	8	-3	-4	0.0	13.9
6	-2	-3	16.0	16.3	7	-2	-6	0.0	8.8	8	-3	-3	11.5	12.5
6	-2	-2	21.8	22.4	7	-2	-5	20.4	21.8	8	-3	-2	48.6	47.3
6	-2	-1	20.2	20.9	7	-2	-4	30.2	29.5	8	-3	-1	8.9	8.6
6	-2	0	15.9	14.9	7	-2	-3	35.4	34.7	8	-3	0	16.9	16.8
6	-1	-8	35.5	33.8	7	-2	-2	24.7	24.4	8	-2	-7	0.0	2.2
6	-1	-7	35.2	35.3	7	-2	-1	32.7	33.3	8	-2	-6	0.0	13.1
6	-1	-6	0.0	12.0	7	-2	0	63.2	63.1	8	-2	-5	0.0	8.1
6	-1	-5	50.1	50.2	7	-1	-7	0.0	6.5	8	-2	-4	0.0	0.4
6	-1	-4	50.2	51.0	7	-1	-6	0.0	8.9	8	-2	-3	0.0	9.2
6	-1	-3	61.3	60.5	7	-1	-5	0.0	10.4	8	-2	-2	31.4	30.9
6	-1	-2	30.0	31.0	7	-1	-4	31.1	31.4	8	-2	-1	0.0	6.4
6	-1	-1	68.1	67.8	7	-1	-3	0.0	0.6	8	-2	0	0.0	7.2
6	-1	0	46.7	46.7	7	-1	-2	0.0	2.6	8	-1	-7	0.0	5.6
6	0	-8	0.0	15.3	7	-1	-1	12.7	12.7	8	-1	-6	24.8	26.9
6	0	-7	0.0	5.2	7	-1	0	42.2	42.4	8	-1	-5	0.0	7.4
6	0	-6	32.9	32.7	7	0	-7	0.0	5.1	-8	1	4	0.0	12.2
6	0	-5	0.0	3.1	7	0	-6	0.0	14.6	8	-1	-3	0.0	0.6
6	0	-4	20.2	22.2	7	0	-5	0.0	1.5	8	-1	-2	38.5	39.4
6	0	-3	0.0	4.9	7	0	-4	0.0	4.2	8	-1	-1	0.0	7.5
6	0	-2	29.7	29.5	7	0	-3	19.5	19.4	8	-1	0	15.7	16.6
6	0	-1	0.0	3.2	7	0	-2	35.2	36.4	-8	0	6	44.9	43.0
6	0	0	17.5	18.2	7	0	-1	0.0	0.1	-8	0	5	0.0	3.3
7	-6	-7	0.0	5.1	7	0	0	0.0	1.2	-8	0	4	36.3	33.1
7	-6	-6	0.0	7.0	8	-7	-7	0.0	5.4	8	0	-3	0.0	7.5
7	-6	-5	0.0	10.3	8	-7	-6	0.0	6.9	8	0	-2	62.3	59.6
7	-6	-4	41.6	41.5	8	-7	-5	0.0	1.6	8	0	-1	0.0	7.1
7	-6	-3	13.6	14.0	8	-7	-4	56.6	55.1	8	0	0	44.0	44.1
7	-6	-2	20.4	22.8	8	-7	-3	15.0	15.8	9	-8	-6	0.0	12.9
7	-6	-1	17.0	18.3	8	-7	-2	17.9	19.3	9	-8	-5	0.0	6.8
7	-6	0	36.3	36.8	8	-7	-1	0.0	4.3	9	-8	-4	0.0	3.4
7	-5	-8	0.0	5.3	8	-7	0	66.9	64.5	9	-8	-3	0.0	0.7
7	-5	-7	0.0	13.7	8	-6	-7	0.0	4.3	9	-8	-2	30.8	28.4
7	-5	-6	29.9	30.6	8	-6	-6	0.0	0.5	9	-8	-1	0.0	10.8
7	-5	-5	16.1	16.4	8	-6	-5	0.0	3.4	9	-8	0	0.0	3.7
7	-5	-4	0.0	0.6	8	-6	-4	32.4	31.9	9	-7	-6	0.0	1.8
7	-5	-3	22.0	21.3	8	-6	-3	0.0	5.6	9	-7	-5	0.0	0.0
7	-5	-2	69.1	69.9	8	-6	-2	0.0	9.1	9	-7	-4	17.0	18.3
7	-5	-1	20.7	21.0	8	-6	-1	0.0	5.9	9	-7	-3	0.0	8.8
7	-5	0	27.9	29.3	8	-6	0	20.3	21.1	9	-7	-2	0.0	2.8
7	-4	-8	0.0	4.9	8	-5	-7	0.0	2.7	9	-7	-1	0.0	2.6
7	-4	-7	0.0	3.0	8	-5	-6	34.6	34.8	9	-7	0	22.6	22.5
7	-4	-6	21.3	22.1	8	-5	-5	0.0	4.1	9	-6	-7	0.0	11.8
7	-4	-5	0.0	8.7	8	-5	-4	22.6	21.8	9	-6	-6	44.4	42.0
7	-4	-4	0.0	9.7	8	-5	-3	0.0	5.9	9	-6	-5	20.7	22.4
7	-4	-3	0.0	5.4	8	-5	-2	57.6	56.2	9	-6	-4	0.0	4.8
7	-4	-2	47.6	48.1	8	-5	-1	0.0	5.2	9	-6	-3	0.0	6.1
7	-4	-1	10.5	10.7	8	-5	0	29.4	29.0	9	-6	-2	47.9	48.0
7	-4	0	7.3	7.9	8	-4	-7	0.0	11.3	9	-6	-1	24.2	24.0
7	-3	-8	0.0	11.1	8	-4	-6	0.0	0.1	9	-6	0	12.4	12.0
7	-3	-7	32.3	32.1	8	-4	-5	23.4	23.2	9	-5	-7	0.0	9.6
7	-3	-6	0.0	6.4	8	-4	-4	57.8	56.8	9	-5	-6	0.0	5.3

H	K	L	FO	FC	H	K	L	FO	FC	H	K	L	FO	FC
9	-5	-5	19.5	19.1	10	-7	-2	0.0	8.2	11	-8	-3	0.0	6.0
9	-5	-4	0.0	10.1	10	-7	-1	14.7	14.6	11	-8	-2	0.0	17.0
9	-5	-3	20.3	19.8	10	-7	0	0.0	6.4	11	-8	-1	0.0	5.5
9	-5	-2	0.0	12.5	10	-6	-6	0.0	3.9	11	-8	0	15.1	13.8
9	-5	-1	25.2	24.3	10	-6	-5	0.0	15.7	-11	7	5	0.0	1.7
9	-5	0	13.9	15.6	-10	6	4	18.2	17.0	-11	7	4	36.3	36.4
9	-4	-7	0.0	15.5	10	-6	-3	16.2	17.1	11	-7	-3	0.0	3.3
9	-4	-6	0.0	13.2	10	-6	-2	0.0	5.3	11	-7	-2	0.0	7.8
9	-4	-5	23.4	22.1	10	-6	-1	23.1	22.3	11	-7	-1	0.0	0.5
9	-4	-4	0.0	6.2	10	-6	0	25.3	23.7	11	-7	0	41.5	39.0
9	-4	-3	22.1	21.5	10	-5	-6	0.0	11.6	-11	6	5	20.2	22.1
9	-4	-2	11.7	11.5	10	-5	-5	0.0	17.1	-11	6	4	22.8	23.2
9	-4	-1	28.7	28.4	-10	5	4	0.0	14.9	11	-6	-3	0.0	15.4
9	-4	0	0.0	3.7	10	-5	-3	18.1	18.3	11	-6	-2	0.0	5.9
-9	3	7	25.9	25.6	10	-5	-2	26.6	26.9	11	-6	-1	24.2	25.4
9	-3	-6	36.3	36.4	10	-5	-1	22.5	22.7	11	-6	0	28.0	27.7
9	-3	-5	34.0	34.2	10	-5	0	30.6	31.2	-11	5	5	0.0	15.8
-9	3	4	0.0	1.7	10	-4	-6	0.0	12.5	11	-5	-4	0.0	12.9
9	-3	-3	30.5	29.8	-10	4	5	0.0	0.3	11	-5	-3	22.6	24.6
9	-3	-2	44.7	42.4	-10	4	4	0.0	9.0	11	-5	-2	0.0	6.1
9	-3	-1	46.5	45.5	10	-4	-3	0.0	3.1	11	-5	-1	20.2	21.3
9	-3	0	0.0	3.6	10	-4	-2	0.0	9.4	11	-5	0	0.0	8.3
9	-2	-6	0.0	9.6	10	-4	-1	0.0	0.6	-11	4	5	0.0	11.7
-9	2	5	17.9	17.4	10	-4	0	0.0	0.2	11	-4	-4	22.0	24.0
-9	2	4	26.5	27.6	-10	3	6	0.0	6.7	11	-4	-3	0.0	13.2
9	-2	-3	14.6	16.1	-10	3	5	0.0	12.6	11	-4	-2	0.0	5.6
9	-2	-2	0.0	7.1	10	-3	-4	20.5	20.1	11	-4	-1	16.8	15.6
9	-2	-1	22.0	22.1	10	-3	-3	27.8	28.1	11	-4	0	24.3	25.5
9	-2	0	31.2	31.9	10	-3	-2	0.0	0.5	-11	3	5	0.0	11.5
-9	1	6	0.0	16.8	10	-3	-1	21.2	20.2	-11	3	4	0.0	4.0
-9	1	5	0.0	8.7	10	-3	0	31.7	30.6	-11	3	3	0.0	5.0
-9	1	4	0.0	9.3	-10	2	5	0.0	9.0	11	-3	-2	0.0	20.2
9	-1	-3	0.0	9.9	-10	2	4	21.8	23.3	11	-3	-1	0.0	14.9
9	-1	-2	0.0	5.9	10	-2	-3	14.7	14.5	11	-3	0	0.0	3.1
9	-1	-1	0.0	12.5	10	-2	-2	0.0	10.4	-11	2	4	0.0	6.5
9	-1	0	0.0	7.1	10	-2	-1	0.0	13.2	-11	2	3	0.0	10.3
-9	0	6	0.0	17.5	10	-2	0	31.1	30.4	11	-2	-2	0.0	11.4
-9	0	5	0.0	11.7	-10	1	5	0.0	11.4	11	-2	-1	0.0	4.6
-9	0	4	0.0	13.2	-10	1	4	17.4	19.2	11	-2	0	0.0	8.2
9	0	-3	19.7	18.7	-10	1	3	20.7	22.5	-11	1	3	41.9	39.9
9	0	-2	23.4	22.2	10	-1	-2	0.0	0.9	11	-1	-2	29.3	31.5
9	0	-1	19.2	17.8	10	-1	-1	0.0	17.2	11	-1	-1	38.6	37.2
9	0	0	18.0	18.6	10	-1	0	14.8	16.0	11	-1	0	0.0	4.8
10	-9	-5	0.0	3.3	-10	0	4	0.0	12.2	11	0	-2	0.0	6.9
10	-9	-4	0.0	14.9	10	0	-3	0.0	1.9	11	0	-1	0.0	6.8
10	-9	-3	0.0	10.3	10	0	-2	0.0	3.8	11	0	0	0.0	1.1
10	-9	-2	0.0	3.6	10	0	-1	0.0	10.6	12	-10	-2	0.0	3.7
10	-9	-1	0.0	4.8	10	0	0	15.2	16.1	12	-10	-1	0.0	0.9
10	-9	0	24.0	23.1	11	-10	-3	0.0	14.1	12	-10	0	21.7	22.9
10	-8	-5	0.0	11.2	11	-10	-2	0.0	8.7	12	-9	-3	0.0	11.9
10	-8	-4	0.0	4.1	11	-10	-1	0.0	10.6	12	-9	-2	18.1	21.4
10	-8	-3	0.0	16.5	11	-10	0	40.7	37.8	12	-9	-1	0.0	13.1
10	-8	-2	35.9	36.0	11	-9	-4	25.8	27.0	12	-9	0	0.0	10.7
10	-8	-1	15.3	14.9	11	-9	-3	27.5	27.9	12	-8	-3	0.0	11.9
10	-8	0	11.7	11.9	11	-9	-2	0.0	13.4	12	-8	-2	30.6	31.6
10	-7	-6	0.0	7.4	11	-9	-1	34.9	33.2	12	-8	-1	0.0	18.0
10	-7	-5	0.0	12.9	11	-9	0	27.4	26.3	12	-8	0	0.0	12.5
10	-7	-4	0.0	7.8	11	-8	-5	0.0	5.0	12	-7	-4	0.0	0.7
10	-7	-3	0.0	5.2	-11	8	4	0.0	1.6	12	-7	-3	0.0	2.4

H	K	L	FO	FC	H	K	L	FO	FC	H	K	L	FO	FC
12	-7	-2	0.0	14.5	12	-5	0	23.2	24.0	13	-8	-1	0.0	0.2
12	-7	-1	0.0	11.7	-12	4	3	0.0	1.6	13	-8	0	0.0	15.0
12	-7	0	0.0	4.1	12	-4	-2	26.8	27.5	13	-7	-2	0.0	19.6
12	-6	-4	0.0	8.8	12	-4	-1	0.0	0.9	13	-7	-1	0.0	9.4
12	-6	-3	0.0	3.6	12	-4	0	17.5	17.5	13	-7	0	16.8	17.2
12	-6	-2	21.4	22.1	-12	3	3	0.0	9.7	13	-6	-2	0.0	6.2
12	-6	-1	0.0	5.9	-12	3	2	0.0	13.6	13	-6	-1	0.0	19.7
12	-6	0	0.0	11.5	12	-3	-1	0.0	10.3	13	-6	0	0.0	21.5
-12	5	4	0.0	16.6	12	-3	0	23.3	24.6	13	-5	-1	0.0	1.2
12	-5	-3	0.0	8.2	12	-2	-2	0.0	3.4	13	-5	0	23.4	24.8
12	-5	-2	0.0	0.6	12	-2	-1	0.0	17.0	0	0	0	0.0	0.0
12	-5	-1	19.0	18.7	12	-2	0	0.0	17.1	0	0	0	0.0	0.0

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H	K	L	FO	FC	H	K	L	FO	FC	H	K	L	FO	FC
0	0	-1	0.0	0.0	0	-3	-8	36.5	36.7	-3	5	7	20.1	21.1
0	0	-2	122.6	119.8	0	3	7	0.0	4.0	-3	5	6	22.1	21.0
0	0	-3	0.0	0.0	0	3	6	0.0	4.4	-3	5	5	31.0	31.2
0	0	-4	193.1	185.4	0	3	5	0.0	6.1	-3	5	4	0.0	4.6
0	0	-5	0.0	0.0	0	3	4	70.2	69.5	-3	5	3	55.8	55.5
0	0	-6	83.6	79.1	0	3	3	17.4	17.2	-3	5	2	45.2	45.1
0	0	-7	0.0	0.0	0	3	2	17.7	17.9	-3	5	1	56.6	56.9
0	0	-8	76.3	71.8	0	3	1	25.7	25.1	-3	5	0	5.8	6.5
0	0	-9	0.0	0.0	0	3	0	131.9	132.1	-2	5	8	0.0	12.1
0	-1	-9	0.0	3.8	3	-4	-9	0.0	10.2	-2	5	7	0.0	14.3
0	-1	-8	0.0	8.9	-3	4	8	0.0	7.9	-2	5	6	0.0	1.7
0	1	7	0.0	0.8	-3	4	7	0.0	3.0	-2	5	5	38.7	37.8
0	1	6	16.1	15.8	-3	4	6	0.0	1.3	-2	5	4	31.4	32.2
0	1	5	0.0	3.0	-3	4	5	0.0	4.6	-2	5	3	13.4	13.3
0	1	4	21.4	21.3	-3	4	4	17.0	17.2	-2	5	2	8.0	8.4
0	1	3	10.2	10.0	-3	4	3	30.7	30.2	-2	5	1	50.0	50.4
0	1	2	21.5	21.9	-3	4	2	38.1	38.5	-2	5	0	53.0	53.2
0	1	1	10.5	10.7	-3	4	1	13.5	12.7	-1	5	8	28.0	31.5
1	-2	-9	0.0	2.4	-3	4	0	42.8	42.7	-1	5	7	0.0	5.8
1	-2	-8	0.0	6.2	2	-4	-9	0.0	0.6	-1	5	6	0.0	11.2
-1	2	7	0.0	1.0	-2	4	8	0.0	3.3	-1	5	5	0.0	3.9
-1	2	6	64.5	63.8	-2	4	7	0.0	5.0	-1	5	4	52.7	52.4
-1	2	5	12.4	13.2	-2	4	6	49.9	49.4	-1	5	3	17.4	17.8
-1	2	4	9.5	9.2	-2	4	5	0.0	7.7	-1	5	2	0.0	5.9
-1	2	3	37.3	37.7	-2	4	4	0.0	1.5	-1	5	1	5.8	6.3
-1	2	2	88.6	90.8	-2	4	3	0.0	3.5	-1	5	0	71.0	72.0
-1	2	1	15.4	15.4	-2	4	2	92.7	92.2	0	5	8	0.0	11.2
-1	2	0	8.0	7.7	-2	4	1	8.8	9.2	0	5	7	0.0	3.0
0	-2	-9	0.0	1.8	-2	4	0	6.8	7.3	0	5	6	26.5	27.1
0	-2	-8	0.0	5.6	1	-4	-9	0.0	10.1	0	5	5	0.0	16.0
0	2	7	0.0	2.3	-1	4	8	0.0	5.3	0	5	4	15.7	15.7
0	2	6	10.2	10.5	-1	4	7	16.3	18.0	0	5	3	0.0	8.9
0	2	5	10.4	10.9	-1	4	6	39.7	39.4	0	5	2	62.0	61.8
0	2	4	9.5	8.8	-1	4	5	21.3	21.6	0	5	1	25.7	25.7
0	2	3	33.0	32.8	-1	4	4	0.0	3.7	0	5	0	0.0	3.3
0	2	2	52.0	51.0	-1	4	3	29.8	29.3	-5	6	8	25.4	27.2
0	2	1	11.2	11.1	-1	4	2	54.8	55.1	-5	6	7	31.9	30.6
0	2	0	17.9	18.2	-1	4	1	33.9	33.8	-5	6	6	0.0	10.8
2	-3	-9	25.8	27.7	-1	4	0	83.2	81.4	-5	6	5	49.1	46.8
-2	3	8	0.0	15.4	0	-4	-9	0.0	5.0	-5	6	4	48.6	48.8
-2	3	7	31.2	31.6	0	4	8	0.0	7.3	-5	6	3	56.9	56.2
-2	3	6	0.0	5.1	0	4	7	0.0	7.7	-5	6	2	28.1	27.8
-2	3	5	54.1	53.1	0	4	6	31.3	31.5	-5	6	1	65.0	64.7
-2	3	4	29.8	30.1	0	4	5	0.0	13.0	-5	6	0	49.0	49.6
-2	3	3	84.1	84.5	0	4	4	10.2	10.4	-4	6	8	21.9	22.3
-2	3	2	27.1	26.3	0	4	3	0.0	3.0	-4	6	7	0.0	7.3
-2	3	1	94.2	94.3	0	4	2	67.7	67.2	-4	6	6	0.0	4.8
-2	3	0	55.2	56.9	0	4	1	8.3	8.5	-4	6	5	0.0	6.1
1	-3	-9	15.6	18.3	0	4	0	20.3	20.5	-4	6	4	35.5	35.6
-1	3	8	19.9	19.1	-4	5	8	0.0	17.2	-4	6	3	13.9	14.2
-1	3	7	28.2	29.5	-4	5	7	0.0	2.0	-4	6	2	19.0	19.2
-1	3	6	11.9	12.0	-4	5	6	23.3	23.6	-4	6	1	17.4	18.0
-1	3	5	35.8	35.4	-4	5	5	0.0	5.8	-4	6	0	19.1	19.1
-1	3	4	35.9	35.9	-4	5	4	37.2	38.3	-3	6	8	0.0	14.9
-1	3	3	59.9	60.0	-4	5	3	13.3	13.7	-3	6	7	0.0	15.1
-1	3	2	20.3	19.8	-4	5	2	28.4	28.0	-3	6	6	31.0	31.2
-1	3	1	58.9	60.6	-4	5	1	8.3	7.8	-3	6	5	24.4	24.5
-1	3	0	11.9	11.1	-4	5	0	63.7	63.2	-3	6	4	26.2	26.2
0	-3	-9	0.0	1.5	-3	5	8	0.0	3.5	-3	6	3	13.0	12.9

H	K	L	FO	FC	H	K	L	FO	FC	H	K	L	FO	FC
-3	6	2	30.1	30.1	-3	7	5	0.0	8.0	-4	8	3	0.0	7.5
-3	6	1	37.5	37.2	-3	7	4	9.6	11.3	-4	8	2	0.0	8.3
-3	6	0	29.5	29.5	-3	7	3	0.0	7.5	-4	8	1	27.2	27.9
-2	6	8	0.0	24.5	-3	7	2	47.6	47.9	-4	8	0	59.0	57.5
-2	6	7	21.3	21.2	-3	7	1	11.2	11.1	-3	8	7	0.0	2.9
-2	6	6	0.0	17.2	-3	7	0	9.5	10.3	-3	8	6	29.9	28.9
-2	6	5	28.3	27.2	-2	7	8	0.0	0.2	-3	8	5	0.0	5.7
-2	6	4	45.2	45.1	-2	7	7	0.0	12.3	-3	8	4	15.5	16.6
-2	6	3	52.7	53.3	-2	7	6	28.8	28.4	-3	8	3	0.0	5.4
-2	6	2	23.3	23.2	-2	7	5	13.1	13.8	-3	8	2	50.7	49.0
-2	6	1	39.2	39.4	-2	7	4	0.0	2.0	-3	8	1	0.0	7.3
-2	6	0	66.6	65.5	-2	7	3	21.9	21.1	-3	8	0	21.6	21.8
-1	6	8	0.0	9.4	-2	7	2	67.5	65.7	-2	8	7	0.0	4.8
-1	6	7	0.0	12.6	-2	7	1	17.9	18.7	-2	8	6	0.0	0.8
-1	6	6	0.0	10.3	-2	7	0	24.9	25.4	-2	8	5	0.0	2.9
-1	6	5	13.7	13.1	-1	7	7	0.0	0.8	-2	8	4	29.6	29.0
-1	6	4	0.0	8.2	-1	7	6	0.0	3.2	-2	8	3	0.0	6.3
-1	6	3	10.2	10.7	-1	7	5	0.0	6.4	-2	8	2	0.0	7.8
-1	6	2	19.0	19.5	-1	7	4	35.4	34.5	-2	8	1	0.0	5.6
-1	6	1	22.1	21.8	-1	7	3	0.0	9.0	-2	8	0	19.6	21.0
-1	6	0	0.0	2.8	-1	7	2	14.7	16.5	-1	8	7	0.0	4.4
0	6	8	0.0	15.1	-1	7	1	14.3	14.8	-1	8	6	0.0	6.3
0	6	7	0.0	5.7	-1	7	0	32.5	32.8	-1	8	5	0.0	0.0
0	6	6	30.1	29.7	0	7	7	0.0	4.1	-1	8	4	54.2	52.8
0	6	5	0.0	2.6	0	7	6	0.0	15.1	-1	8	3	14.0	14.4
0	6	4	19.4	21.3	0	7	5	0.0	1.1	-1	8	2	16.6	16.6
0	6	3	0.0	4.7	0	7	4	0.0	5.2	-1	8	1	0.0	5.7
0	6	2	31.2	30.7	0	7	3	14.8	14.9	-1	8	0	66.5	63.9
0	6	1	0.0	4.0	0	7	2	34.9	34.7	0	8	6	36.8	35.7
0	6	0	15.8	16.7	0	7	1	0.0	1.1	0	8	5	0.0	1.9
-6	7	7	0.0	4.8	0	7	0	0.0	2.5	0	8	4	27.5	26.8
-6	7	6	0.0	6.6	-7	8	7	0.0	5.1	0	8	3	0.0	4.5
-6	7	5	0.0	7.7	-7	8	6	22.5	24.5	0	8	2	53.7	52.0
-6	7	4	28.2	28.0	-7	8	5	0.0	6.6	0	8	1	0.0	5.2
-6	7	3	0.0	0.1	-7	8	4	0.0	11.7	0	8	0	39.5	36.8
-6	7	2	0.0	2.9	-7	8	3	0.0	0.2	-8	9	6	0.0	12.8
-6	7	1	11.4	10.9	-7	8	2	39.5	39.8	-8	9	5	0.0	6.0
-6	7	0	38.9	38.6	-7	8	1	0.0	5.6	-8	9	4	0.0	9.4
-5	7	8	0.0	18.4	-7	8	0	16.1	16.0	-8	9	3	0.0	7.3
-5	7	7	0.0	16.5	-6	8	7	0.0	4.6	-8	9	2	0.0	4.7
-5	7	6	0.0	7.8	-6	8	6	0.0	13.7	-8	9	1	0.0	9.8
-5	7	5	15.9	17.0	-6	8	5	0.0	7.5	-8	9	0	0.0	1.8
-5	7	4	31.3	30.4	-6	8	4	0.0	0.4	-7	9	6	0.0	7.6
-5	7	3	31.0	30.7	-6	8	3	0.0	4.1	-7	9	5	0.0	14.3
-5	7	2	18.9	18.9	-6	8	2	28.3	27.9	-7	9	4	23.7	24.7
-5	7	1	27.8	28.0	-6	8	1	7.6	7.7	-7	9	3	15.5	15.6
-5	7	0	61.5	61.1	-6	8	0	0.0	6.7	-7	9	2	0.0	5.8
-4	7	8	0.0	7.6	-5	8	7	0.0	6.4	-7	9	1	19.9	20.0
-4	7	7	26.3	25.8	-5	8	6	22.9	24.2	-7	9	0	28.8	29.0
-4	7	6	0.0	7.9	-5	8	5	0.0	2.7	-6	9	7	0.0	22.0
-4	7	5	28.5	28.4	-5	8	4	10.1	11.1	-6	9	6	30.5	31.3
-4	7	4	16.9	16.9	-5	8	3	9.4	10.7	-6	9	5	28.1	28.5
-4	7	3	53.9	52.3	-5	8	2	44.2	42.7	-6	9	4	0.0	3.3
-4	7	2	12.5	13.2	-5	8	1	6.8	6.7	-6	9	3	29.1	29.1
-4	7	1	50.3	50.4	-5	8	0	14.9	15.1	-6	9	2	40.8	40.3
-4	7	0	18.6	18.0	-4	8	7	0.0	10.7	-6	9	1	41.6	41.8
-3	7	8	0.0	5.8	-4	8	6	0.0	2.6	-6	9	0	0.0	1.6
-3	7	7	0.0	3.8	-4	8	5	17.2	18.9	-5	9	7	0.0	13.8
-3	7	6	22.2	22.5	-4	8	4	53.4	51.1	-5	9	6	0.0	11.0

H	K	L	FO	FC	H	K	L	FO	FC	H	K	L	FO	FC
-5	9	5	18.4	19.5	-7	10	2	0.0	1.1	-8	11	3	0.0	5.7
-5	9	4	0.0	7.0	-7	10	1	14.4	14.4	-8	11	2	17.3	17.3
-5	9	3	19.4	20.3	-7	10	0	24.1	25.0	-8	11	1	0.0	12.5
-5	9	2	10.4	10.6	-6	10	6	0.0	11.2	-8	11	0	0.0	4.8
-5	9	1	25.7	26.2	-6	10	5	0.0	2.3	-7	11	5	0.0	10.8
-5	9	0	0.0	1.8	-6	10	4	0.0	7.3	-7	11	4	17.3	21.2
-4	9	7	0.0	8.5	-6	10	3	0.0	6.3	-7	11	3	0.0	12.9
-4	9	6	0.0	3.6	-6	10	2	0.0	10.1	-7	11	2	0.0	8.1
-4	9	5	18.2	18.0	-6	10	1	0.0	3.3	-7	11	1	13.3	14.2
-4	9	4	10.8	12.1	-6	10	0	0.0	1.9	-7	11	0	22.3	23.6
-4	9	3	19.7	19.9	-5	10	6	0.0	11.0	-6	11	5	0.0	11.7
-4	9	2	0.0	7.9	-5	10	5	0.0	14.1	-6	11	4	0.0	11.9
-4	9	1	24.1	25.0	-5	10	4	0.0	15.0	-6	11	3	16.4	18.5
-4	9	0	18.3	18.9	-5	10	3	15.8	16.3	-6	11	2	0.0	5.3
-3	9	7	0.0	10.0	-5	10	2	23.6	24.1	-6	11	1	0.0	15.8
-3	9	6	34.5	36.0	-5	10	1	19.6	20.8	-6	11	0	0.0	9.7
-3	9	5	18.0	18.6	-5	10	0	25.5	26.7	-5	11	5	0.0	16.7
-3	9	4	0.0	2.3	-4	10	6	0.0	3.1	-5	11	4	0.0	19.1
-3	9	3	0.0	7.2	-4	10	5	0.0	11.5	-5	11	3	0.0	13.3
-3	9	2	45.7	45.7	-4	10	4	15.6	15.8	-5	11	2	0.0	4.1
-3	9	1	21.3	21.9	-4	10	3	14.3	15.2	-5	11	1	21.0	20.0
-3	9	0	0.0	8.4	-4	10	2	0.0	3.8	-5	11	0	24.2	23.4
-2	9	6	0.0	1.1	-4	10	1	16.7	18.4	-4	11	5	0.0	0.7
-2	9	5	0.0	0.4	-4	10	0	20.9	22.1	-4	11	4	31.5	33.3
-2	9	4	0.0	14.9	-3	10	6	0.0	10.3	-4	11	3	0.0	2.2
-2	9	3	0.0	7.3	-3	10	5	0.0	9.0	-4	11	2	0.0	6.2
-2	9	2	0.0	2.9	-3	10	4	0.0	4.2	-4	11	1	0.0	0.8
-2	9	1	0.0	3.7	-3	10	3	0.0	3.0	-4	11	0	38.8	35.6
-2	9	0	17.6	17.4	-3	10	2	0.0	11.0	-3	11	5	0.0	6.6
-1	9	6	0.0	10.8	-3	10	1	0.0	11.1	-3	11	4	0.0	0.3
-1	9	5	0.0	4.0	-3	10	0	0.0	3.5	-3	11	3	0.0	7.3
-1	9	4	0.0	0.6	-2	10	5	0.0	7.1	-3	11	2	0.0	14.8
-1	9	3	0.0	0.9	-2	10	4	0.0	4.7	-3	11	1	0.0	7.0
-1	9	2	23.2	22.4	-2	10	3	0.0	11.3	-3	11	0	0.0	7.0
-1	9	1	0.0	9.1	-2	10	2	33.2	33.0	-2	11	4	20.9	22.0
-1	9	0	0.0	6.0	-2	10	1	0.0	9.9	-2	11	3	22.3	22.6
0	9	6	0.0	18.2	-2	10	0	0.0	11.3	-2	11	2	0.0	10.4
0	9	5	0.0	9.5	-1	10	5	0.0	4.4	-2	11	1	27.8	28.3
0	9	4	0.0	11.2	-1	10	4	0.0	10.7	-2	11	0	24.3	23.7
0	9	3	0.0	15.2	-1	10	3	0.0	7.8	-1	11	3	0.0	8.2
0	9	2	22.6	23.5	-1	10	2	0.0	4.7	-1	11	2	0.0	5.7
0	9	1	14.2	14.4	-1	10	1	0.0	4.9	-1	11	1	0.0	6.5
0	9	0	14.3	15.3	-1	10	0	18.6	18.3	-1	11	0	34.0	34.2
-9	10	5	0.0	10.4	0	10	4	0.0	10.7	0	11	2	0.0	5.9
-9	10	4	15.7	17.5	0	10	3	0.0	4.4	0	11	1	0.0	7.5
-9	10	3	21.5	20.5	0	10	2	0.0	2.2	0	11	0	0.0	0.4
-9	10	2	0.0	2.5	0	10	1	0.0	10.7	11-12	0	0	0.0	2.7
-9	10	1	15.9	16.3	0	10	0	0.0	13.6	-10	12	2	0.0	4.4
-9	10	0	16.0	16.4	-10	11	3	29.8	30.7	-10	12	1	0.0	15.7
-8	10	5	0.0	6.5	-10	11	2	23.9	27.1	-10	12	0	0.0	11.8
-8	10	4	22.4	23.6	-10	11	1	30.1	30.2	-9	12	3	0.0	8.1
-8	10	3	0.0	10.4	-10	11	0	0.0	0.5	-9	12	2	0.0	13.5
-8	10	2	0.0	10.0	-9	11	4	0.0	5.2	-9	12	1	0.0	8.8
-8	10	1	0.0	10.5	-9	11	3	0.0	4.8	-9	12	0	21.0	21.9
-8	10	0	29.3	29.7	-9	11	2	0.0	9.8	-8	12	3	0.0	1.8
-7	10	6	0.0	3.0	-9	11	1	0.0	1.1	-8	12	2	0.0	24.0
-7	10	5	0.0	8.0	-9	11	0	0.0	5.9	-8	12	1	0.0	0.2
-7	10	4	15.3	15.5	-8	11	5	0.0	8.8	-8	12	0	15.5	15.1
-7	10	3	20.6	20.4	-8	11	4	0.0	4.0	-7	12	4	0.0	14.4

H	K	L	FO	FC	H	K	L	FO	FC	H	K	L	FO	FC
-7	12	3	0.0	9.2	-5	12	0	0.0	2.4	-9	13	0	0.0	13.8
-7	12	2	0.0	1.3	-4	12	3	0.0	10.9	-8	13	1	0.0	1.2
-7	12	1	0.0	16.2	-4	12	2	0.0	25.5	-8	13	0	0.0	18.7
-7	12	0	0.0	20.8	-4	12	1	0.0	16.2	-7	13	2	0.0	5.0
-6	12	4	0.0	10.9	-4	12	0	0.0	8.2	-7	13	1	0.0	14.9
-6	12	3	0.0	5.5	-3	12	3	0.0	9.7	-7	13	0	0.0	19.3
-6	12	2	0.0	18.3	-3	12	2	19.0	20.2	-6	13	2	0.0	18.1
-6	12	1	0.0	8.0	-3	12	1	0.0	10.5	-6	13	1	0.0	6.9
-6	12	0	0.0	14.4	-3	12	0	0.0	9.6	-6	13	0	0.0	12.4
-5	12	4	0.0	0.1	-2	12	2	0.0	2.5	-5	13	1	0.0	2.1
-5	12	3	0.0	1.7	-2	12	1	0.0	4.5	-5	13	0	0.0	11.6
-5	12	2	0.0	14.0	-2	12	0	0.0	18.7	-4	13	0	0.0	4.3
-5	12	1	0.0	8.1	-1	12	0	0.0	0.3	0	0	0	0.0	0.0

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H	K	L	FO	FC	H	K	L	FO	FC	H	K	L	FO	FC
0	0	1	0.0	0.0	3	0	-8	37.8	37.9	5	-3	-7	14.9	15.2
0	0	2	122.4	119.2	3	0	-7	0.0	4.0	5	-3	-6	0.0	2.0
0	0	3	0.0	0.0	3	0	-6	0.0	5.5	5	-3	-5	38.7	38.2
0	0	4	191.1	187.2	3	0	-5	5.4	6.2	5	-3	-4	30.9	32.1
0	0	5	0.0	0.0	3	0	-4	70.3	69.6	5	-3	-3	13.5	13.4
0	0	6	83.0	81.7	3	0	-3	17.6	17.7	5	-3	-2	7.5	7.9
0	0	7	0.0	0.0	3	0	-2	17.9	17.7	5	-3	-1	50.3	50.6
0	0	-8	76.1	74.6	3	0	-1	25.9	25.0	5	-3	0	53.2	53.2
0	0	-9	0.0	0.0	3	0	0	131.1	132.4	5	-2	-8	0.0	4.3
1	0	-9	0.0	4.0	4	-3	-9	0.0	10.8	-5	2	7	21.6	21.8
1	0	-8	10.2	9.2	4	-3	-8	0.0	5.8	5	-2	-6	22.3	21.6
1	0	-7	0.0	0.7	4	-3	-7	19.5	19.0	5	-2	-5	31.3	31.5
1	0	-6	16.3	16.0	4	-3	-6	40.6	40.3	5	-2	-4	0.0	4.6
1	0	-5	0.0	2.9	4	-3	-5	21.7	21.9	5	-2	-3	55.6	56.2
1	0	-4	21.5	21.3	4	-3	-4	0.0	3.6	5	-2	-2	45.3	45.0
1	0	-3	10.5	10.3	4	-3	-3	30.3	29.8	5	-2	-1	57.0	57.1
1	0	-2	21.0	21.3	4	-3	-2	55.3	54.8	5	-2	0	6.7	6.6
1	0	-1	10.6	10.7	4	-3	-1	34.2	33.8	-5	1	8	14.0	17.1
2	-1	-9	0.0	2.2	4	-3	0	82.7	81.8	-5	1	7	0.0	2.5
2	-1	-8	0.0	5.7	4	-2	-9	0.0	0.7	5	-1	-6	23.2	23.8
2	-1	-7	0.0	1.6	4	-2	-8	0.0	2.4	5	-1	-5	0.0	5.2
2	-1	-6	65.2	64.6	4	-2	-7	0.0	5.1	5	-1	-4	37.6	38.1
2	-1	-5	12.4	13.4	4	-2	-6	50.7	50.0	5	-1	-3	13.2	14.0
2	-1	-4	8.8	8.9	4	-2	-5	8.2	7.8	5	-1	-2	28.5	28.3
2	-1	-3	37.7	37.9	4	-2	-4	0.0	1.8	5	-1	-1	7.7	7.6
2	-1	-2	88.9	91.1	4	-2	-3	0.0	4.1	5	-1	0	63.7	63.5
2	-1	-1	15.4	15.3	4	-2	-2	93.4	92.9	-5	0	8	0.0	12.0
2	-1	0	8.2	8.2	4	-2	-1	9.0	9.3	-5	0	7	0.0	3.4
2	0	-9	0.0	2.0	4	-2	0	7.0	7.3	5	0	-6	27.6	27.6
2	0	-8	0.0	5.3	4	-1	-9	0.0	10.9	5	0	-5	14.8	16.1
2	0	-7	0.0	2.4	4	-1	-8	0.0	8.5	5	0	-4	16.2	16.2
2	0	-6	10.5	11.0	4	-1	-7	0.0	3.1	5	0	-3	8.7	8.9
2	0	-5	11.0	11.3	4	-1	-6	0.0	1.2	5	0	-2	62.0	62.1
2	0	-4	8.9	9.0	4	-1	-5	0.0	5.0	5	0	-1	26.0	25.8
2	0	-3	33.4	33.2	4	-1	-4	17.7	17.8	5	0	0	0.0	3.3
2	0	-2	52.2	51.3	4	-1	-3	31.3	31.0	6	-5	-8	0.0	9.2
2	0	-1	11.2	11.2	4	-1	-2	38.6	38.8	6	-5	-7	12.1	12.8
2	0	0	17.9	18.8	4	-1	-1	13.6	13.2	6	-5	-6	10.0	10.3
3	-2	-9	18.1	19.5	4	-1	0	43.1	43.3	6	-5	-5	14.3	13.4
3	-2	-8	21.8	19.7	4	0	-9	0.0	5.4	6	-5	-4	8.4	8.4
3	-2	-7	30.0	30.4	4	0	-8	0.0	7.4	6	-5	-3	10.5	11.2
3	-2	-6	12.8	12.7	4	0	-7	0.0	8.3	6	-5	-2	19.5	19.6
3	-2	-5	36.3	36.2	4	0	-6	31.7	32.1	6	-5	-1	21.7	22.0
3	-2	-4	36.7	36.6	4	0	-5	12.0	12.8	6	-5	0	0.0	2.5
3	-2	-3	60.3	60.2	4	0	-4	10.1	10.5	6	-4	-8	25.9	25.4
3	-2	-2	20.4	20.2	4	0	-3	0.0	3.1	6	-4	-7	21.0	22.0
3	-2	-1	59.6	60.7	4	0	-2	67.6	67.7	6	-4	-6	16.7	18.1
3	-2	0	11.8	10.7	4	0	-1	8.7	8.4	6	-4	-5	28.6	28.2
3	-1	-9	28.7	29.0	4	0	0	20.8	20.4	6	-4	-4	45.8	45.4
3	-1	-8	16.3	16.0	5	-4	-8	31.1	32.2	6	-4	-3	53.8	54.0
3	-1	-7	32.7	32.9	5	-4	-7	0.0	6.2	6	-4	-2	24.0	23.8
3	-1	-6	0.0	4.9	5	-4	-6	10.3	11.4	6	-4	-1	39.4	39.9
3	-1	-5	54.9	53.8	5	-4	-5	0.0	3.5	6	-4	0	65.7	65.0
3	-1	-4	30.3	30.4	5	-4	-4	53.1	52.8	6	-3	-8	0.0	15.3
3	-1	-3	84.5	84.8	5	-4	-3	17.3	17.9	6	-3	-7	15.7	15.6
3	-1	-2	27.2	26.4	5	-4	-2	6.5	6.3	6	-3	-6	32.4	31.7
3	-1	-1	94.3	94.6	5	-4	-1	6.1	5.9	6	-3	-5	25.4	25.0
3	-1	0	54.7	57.1	5	-4	0	71.6	71.6	6	-3	-4	26.8	26.5
3	0	-9	0.0	1.7	5	-3	-8	0.0	12.6	6	-3	-3	13.1	13.1

H	K	L	FO	FC	H	K	L	FO	FC	H	K	L	FO	FC
6	-3	-2	29.3	30.2	7	-3	-5	28.9	29.2	8	-4	-3	0.0	7.9
6	-3	-1	36.9	37.3	7	-3	-4	17.1	17.2	8	-4	-2	8.9	8.3
6	-3	0	29.3	30.2	7	-3	-3	53.9	53.4	8	-4	-1	27.8	28.5
6	-2	-8	24.2	23.0	7	-3	-2	12.9	13.7	8	-4	0	60.0	58.1
-6	2	7	0.0	7.4	7	-3	-1	50.4	50.6	8	-3	-7	0.0	6.2
6	-2	-6	0.0	5.0	7	-3	0	17.8	17.9	8	-3	-6	24.4	24.8
6	-2	-5	0.0	6.9	-7	2	8	0.0	18.7	8	-3	-5	0.0	2.9
6	-2	-4	35.7	36.5	-7	2	7	15.8	16.6	8	-3	-4	10.1	11.2
6	-2	-3	14.6	14.2	7	-2	-6	0.0	7.7	8	-3	-3	9.6	10.8
6	-2	-2	19.4	19.4	7	-2	-5	17.6	17.4	8	-3	-2	43.9	43.1
6	-2	-1	18.0	18.7	7	-2	-4	31.4	30.5	8	-3	-1	6.7	6.5
6	-2	0	18.2	18.8	7	-2	-3	31.1	30.8	8	-3	0	14.8	15.2
-6	1	8	31.2	28.6	7	-2	-2	19.0	18.9	-8	2	7	0.0	4.9
-6	1	7	31.2	31.7	7	-2	-1	28.2	27.9	8	-2	-6	12.9	13.8
6	-1	-6	10.0	11.3	7	-2	0	61.5	61.0	8	-2	-5	0.0	7.9
6	-1	-5	49.5	48.1	-7	1	7	0.0	4.8	8	-2	-4	0.0	0.9
6	-1	-4	49.9	49.7	7	-1	-6	0.0	6.9	8	-2	-3	0.0	4.2
6	-1	-3	57.4	56.4	7	-1	-5	0.0	7.6	8	-2	-2	28.3	27.8
6	-1	-2	28.4	28.0	7	-1	-4	29.8	28.4	8	-2	-1	0.0	7.9
6	-1	-1	64.8	65.1	7	-1	-3	0.0	0.2	8	-2	0	0.0	7.7
6	-1	0	49.1	49.9	7	-1	-2	0.0	2.4	-8	1	7	0.0	5.4
-6	0	8	0.0	15.7	7	-1	-1	10.9	11.0	8	-1	-6	25.8	24.9
-6	0	7	0.0	5.9	7	-1	0	39.3	39.3	8	-1	-5	0.0	7.0
6	0	-6	31.0	30.2	-7	0	7	0.0	4.5	8	-1	-4	11.3	10.9
6	0	-5	0.0	2.9	7	0	-6	14.2	15.6	8	-1	-3	0.0	0.1
6	0	-4	20.7	21.3	7	0	-5	0.0	1.5	8	-1	-2	40.2	39.5
6	0	-3	0.0	5.2	7	0	-4	0.0	5.2	8	-1	-1	0.0	5.9
6	0	-2	30.8	30.4	7	0	-3	14.8	15.3	8	-1	0	15.8	15.6
6	0	-1	0.0	4.6	7	0	-2	34.8	36.0	-8	0	7	0.0	3.8
6	0	0	16.0	16.3	7	0	-1	0.0	1.2	8	0	-6	37.7	36.7
7	-6	-7	0.0	0.9	7	0	0	0.0	2.5	8	0	-5	0.0	2.6
7	-6	-6	0.0	3.7	8	-7	-7	0.0	4.1	8	0	-4	28.1	26.8
7	-6	-5	0.0	6.1	8	-7	-6	0.0	6.5	8	0	-3	0.0	4.6
7	-6	-4	36.2	35.6	8	-7	-5	0.0	0.3	8	0	-2	55.3	53.0
7	-6	-3	9.3	9.5	8	-7	-4	54.7	53.4	8	0	-1	0.0	5.4
7	-6	-2	14.9	16.1	8	-7	-3	15.0	14.3	8	0	0	38.0	36.8
7	-6	-1	15.2	14.9	8	-7	-2	17.3	17.2	9	-8	-6	0.0	10.8
7	-6	0	33.0	33.6	8	-7	-1	0.0	5.4	9	-8	-5	0.0	4.0
7	-5	-8	0.0	0.4	8	-7	0	67.2	64.0	9	-8	-4	0.0	0.2
7	-5	-7	12.8	12.5	8	-6	-7	0.0	4.8	9	-8	-3	0.0	1.4
7	-5	-6	28.1	29.1	8	-6	-6	0.0	1.5	9	-8	-2	24.8	23.1
7	-5	-5	13.6	13.8	8	-6	-5	0.0	2.8	9	-8	-1	0.0	9.5
7	-5	-4	0.0	2.0	8	-6	-4	29.4	29.6	9	-8	0	0.0	6.6
7	-5	-3	21.2	21.3	8	-6	-3	0.0	6.3	9	-7	-6	0.0	0.8
7	-5	-2	67.2	66.4	8	-6	-2	0.0	7.9	9	-7	-5	0.0	0.1
7	-5	-1	19.2	18.7	8	-6	-1	0.0	5.4	9	-7	-4	16.1	15.6
7	-5	0	26.3	26.1	8	-6	0	21.9	21.6	9	-7	-3	0.0	7.2
7	-4	-8	0.0	6.5	8	-5	-7	0.0	3.0	9	-7	-2	0.0	3.0
7	-4	-7	0.0	4.0	8	-5	-6	29.1	29.1	9	-7	-1	0.0	3.5
7	-4	-6	22.6	22.6	8	-5	-5	0.0	6.3	9	-7	0	17.7	18.2
7	-4	-5	8.1	7.6	8	-5	-4	16.4	17.3	9	-6	-7	0.0	10.6
7	-4	-4	10.6	11.8	8	-5	-3	0.0	5.2	9	-6	-6	36.9	37.2
7	-4	-3	6.7	7.2	8	-5	-2	50.7	49.0	9	-6	-5	18.6	19.3
7	-4	-2	47.6	47.8	8	-5	-1	0.0	7.5	9	-6	-4	0.0	2.8
7	-4	-1	11.4	11.1	8	-5	0	22.8	22.1	9	-6	-3	0.0	7.2
7	-4	0	9.9	10.6	8	-4	-7	0.0	11.3	9	-6	-2	45.2	46.2
7	-3	-8	0.0	7.8	8	-4	-6	0.0	2.8	9	-6	-1	21.6	22.4
7	-3	-7	28.2	27.1	8	-4	-5	19.4	19.4	9	-6	0	0.0	9.0
7	-3	-6	0.0	7.8	8	-4	-4	53.7	51.7	9	-5	-7	0.0	8.6

H	K	L	FO	FC	H	K	L	FO	FC	H	K	L	FO	FC
9	-5	-6	0.0	3.4	10	-7	-3	0.0	3.0	11	-8	-4	0.0	0.5
9	-5	-5	17.7	18.6	10	-7	-2	0.0	11.4	11	-8	-3	0.0	7.3
9	-5	-4	11.7	12.7	10	-7	-1	11.4	11.4	11	-8	-2	14.2	15.1
9	-5	-3	19.2	19.6	10	-7	0	0.0	3.2	11	-8	-1	0.0	6.9
9	-5	-2	0.0	8.1	10	-6	-6	0.0	3.4	11	-8	0	0.0	7.2
9	-5	-1	24.5	25.0	10	-6	-5	10.9	12.4	11	-7	-5	0.0	0.1
9	-5	0	19.2	19.5	10	-6	-4	15.4	16.1	11	-7	-4	34.7	34.0
9	-4	-7	0.0	14.3	10	-6	-3	15.6	15.1	11	-7	-3	0.0	2.2
9	-4	-6	0.0	11.3	10	-6	-2	0.0	4.5	11	-7	-2	0.0	6.2
9	-4	-5	20.4	20.2	10	-6	-1	18.7	18.4	11	-7	-1	0.0	0.9
9	-4	-4	0.0	7.7	10	-6	0	21.2	22.1	11	-7	0	39.1	36.5
9	-4	-3	20.5	20.9	10	-5	-6	0.0	10.9	11	-6	-5	16.2	17.0
9	-4	-2	10.2	10.9	10	-5	-5	0.0	14.2	11	-6	-4	21.1	19.8
9	-4	-1	26.0	26.5	10	-5	-4	13.4	14.8	11	-6	-3	12.4	13.3
9	-4	0	0.0	2.1	10	-5	-3	16.3	16.9	11	-6	-2	0.0	4.1
9	-3	-7	20.4	22.8	10	-5	-2	24.9	24.1	11	-6	-1	20.3	20.3
9	-3	-6	31.3	32.1	10	-5	-1	19.9	21.3	11	-6	0	23.1	23.5
9	-3	-5	28.8	29.4	10	-5	0	27.2	27.0	11	-5	-5	0.0	11.8
9	-3	-4	0.0	2.8	10	-4	-6	0.0	11.5	11	-5	-4	0.0	12.3
9	-3	-3	28.5	29.4	10	-4	-5	0.0	2.0	11	-5	-3	18.2	18.8
9	-3	-2	41.5	40.5	10	-4	-4	0.0	7.3	11	-5	-2	0.0	5.0
9	-3	-1	41.9	42.3	10	-4	-3	0.0	6.9	11	-5	-1	16.3	15.7
9	-3	0	0.0	1.9	10	-4	-2	9.3	10.1	11	-5	0	0.0	9.8
9	-2	-6	0.0	8.0	10	-4	-1	0.0	3.5	11	-4	-5	0.0	10.9
9	-2	-5	14.6	14.6	10	-4	0	0.0	1.4	11	-4	-4	19.2	21.8
9	-2	-4	25.4	25.8	-10	3	6	0.0	3.1	11	-4	-3	14.3	13.5
9	-2	-3	15.3	15.8	10	-3	-5	0.0	8.7	11	-4	-2	0.0	7.8
9	-2	-2	0.0	5.2	10	-3	-4	15.9	15.7	11	-4	-1	13.5	14.5
9	-2	-1	20.9	20.0	10	-3	-3	22.6	20.7	11	-4	0	23.8	24.4
9	-2	0	29.7	29.7	10	-3	-2	0.0	1.6	11	-3	-5	0.0	8.9
9	-1	-6	0.0	13.0	10	-3	-1	15.6	14.5	11	-3	-4	0.0	3.8
9	-1	-5	0.0	6.5	10	-3	0	26.5	24.9	11	-3	-3	0.0	5.4
9	-1	-4	11.1	10.4	10	-2	-5	0.0	6.6	11	-3	-2	18.9	17.7
9	-1	-3	0.0	7.5	10	-2	-4	21.8	23.7	11	-3	-1	0.0	12.4
9	-1	-2	0.0	5.0	10	-2	-3	0.0	10.7	11	-3	0	0.0	5.0
9	-1	-1	10.2	10.1	10	-2	-2	0.0	10.0	11	-2	-4	0.0	5.5
9	-1	0	0.0	1.2	10	-2	-1	0.0	10.6	11	-2	-3	0.0	5.0
9	0	-6	16.4	18.7	10	-2	0	29.2	30.0	11	-2	-2	0.0	9.6
9	0	-5	0.0	9.9	10	-1	-5	0.0	10.8	11	-2	-1	0.0	1.1
9	0	-4	10.7	11.0	10	-1	-4	19.7	17.9	11	-2	0	0.0	5.9
9	0	-3	16.1	15.5	10	-1	-3	20.3	20.9	11	-1	-3	34.4	31.3
9	0	-2	23.6	23.5	10	-1	-2	0.0	2.8	11	-1	-2	27.7	27.6
9	0	-1	14.2	14.5	10	-1	-1	16.3	16.5	11	-1	-1	32.8	30.7
9	0	0	15.6	15.2	10	-1	0	15.6	16.5	11	-1	0	0.0	0.0
10	-9	-5	0.0	4.4	10	0	-4	0.0	10.7	11	0	-2	0.0	6.5
10	-9	-4	0.0	11.5	10	0	-3	0.0	4.4	11	0	-1	0.0	7.4
10	-9	-3	0.0	8.2	10	0	-2	0.0	3.1	11	0	0	0.0	0.1
10	-9	-2	0.0	5.2	10	0	-1	0.0	10.9	12	-11	0	0.0	0.2
10	-9	-1	0.0	4.9	10	0	0	13.0	13.3	12	-10	-2	0.0	2.5
10	-9	0	19.7	19.0	11	-10	-3	0.0	8.6	12	-10	-1	0.0	4.5
10	-8	-5	0.0	7.4	11	-10	-2	0.0	6.0	12	-10	0	17.2	19.1
10	-8	-4	0.0	4.0	11	-10	-1	0.0	6.7	12	-9	-3	0.0	9.4
10	-8	-3	0.0	11.1	11	-10	0	36.0	34.9	12	-9	-2	19.5	20.7
10	-8	-2	34.0	32.5	11	-9	-4	23.9	23.1	12	-9	-1	0.0	10.5
10	-8	-1	0.0	9.8	11	-9	-3	25.1	23.2	12	-9	0	0.0	9.6
10	-8	0	10.5	11.1	11	-9	-2	0.0	10.7	12	-8	-3	0.0	11.0
10	-7	-6	0.0	10.8	-11	9	1	29.1	28.9	12	-8	-2	26.3	25.9
10	-7	-5	0.0	9.5	11	-9	0	24.5	24.4	12	-8	-1	15.7	16.3

10	-7	-4	0.0	4.3	11	-8	-5	0.0	6.4	12	-8	0	0.0	8.3
H	K	L	FO	FC	H	K	L	FO	FC	H	K	L	FO	FC
12	-7	-4	0.0	0.1	12	-5	-1	16.6	16.3	12	-1	0	0.0	2.8
12	-7	-3	0.0	1.8	12	-5	0	21.6	21.4	13	-9	0	0.0	4.2
12	-7	-2	0.0	14.5	12	-4	-3	0.0	1.7	13	-8	-1	0.0	2.4
12	-7	-1	0.0	8.4	12	-4	-2	24.9	24.5	13	-8	0	0.0	11.9
12	-7	0	0.0	2.3	12	-4	-1	0.0	0.3	13	-7	-2	0.0	18.3
12	-6	-4	0.0	10.3	12	-4	0	14.3	15.2	13	-7	-1	0.0	6.9
12	-6	-3	0.0	5.7	12	-3	-3	0.0	8.5	13	-7	0	13.9	13.1
12	-6	-2	17.7	19.1	12	-3	-2	0.0	14.0	13	-6	-2	0.0	5.6
12	-6	-1	0.0	8.2	12	-3	-1	0.0	9.3	13	-6	-1	14.2	15.1
12	-6	0	0.0	14.3	12	-3	0	22.5	22.6	13	-6	0	15.9	19.2
12	-5	-4	0.0	15.0	12	-2	-2	0.0	4.2	13	-5	-1	0.0	1.6
12	-5	-3	0.0	9.1	12	-2	-1	0.0	16.3	13	-5	0	18.7	19.3
12	-5	-2	0.0	1.5	12	-2	0	0.0	12.0	13	-4	0	0.0	14.4