

**Parahilgardite,  $\text{Ca}_6[\text{B}_5\text{O}_9]_3\text{Cl}_3 \cdot 3\text{H}_2\text{O}$ :  
a triclinic piezoelectric zeolite-type pentaborate**

CHE'NG WAN AND SUBRATA GHOSE

*Department of Geological Sciences  
University of Washington  
Seattle, Washington 98195*

**Abstract**

Parahilgardite,  $\text{Ca}_6[\text{B}_5\text{O}_9]_3\text{Cl}_3 \cdot 3\text{H}_2\text{O}$  from Iberville Parish, Louisiana is triclinic, mildly piezoelectric, space group *P1*, with unit cell dimensions:  $a = 17.495(4)$ ,  $b = 6.487(1)$ ,  $c = 6.313(1)\text{\AA}$ ;  $\alpha = 60.77(1)$ ,  $\beta = 79.56(1)$ ,  $\gamma = 83.96(1)^\circ$ ;  $Z = 1$ . The *R*-factor is 0.020 for 4490 reflections. The absolute configuration and hydrogen positions have been determined. The structure of parahilgardite is a three dimensional framework, whose building blocks are three crystallographically distinct pentaborate polyanions  $[\text{B}_5\text{O}_{12}]^{9-}$ , each consisting of three  $(\text{BO}_4)$  tetrahedra and two  $(\text{BO}_3)$  triangles. These polyanions, two of which are in *l* and one in *d* configuration, form three distinct single chains by sharing tetrahedral corners along the *c* axis. By sharing tetrahedral and triangular corners, each chain is connected to four adjacent chains, resulting in an open framework with channels parallel to all three axes, where calcium and chlorine atoms and the water molecules are located. The calcium polyhedra are hexagonal bipyramids, which are connected to form an open sheet. The water molecules are hydrogen bonded with chlorine atoms in quasi-linear chains parallel to the *c* axis.

**Introduction**

Hydrated borate polyanions can polymerize by splitting out water molecules to form chains, sheets and three dimensional frameworks (Christ, 1960; Christ and Clark, 1977). Among the pentaborates, the isolated pentaborate polyanions  $[\text{B}_5\text{O}_6(\text{OH})_6]^{3-}$ , formed by corner sharing of three borate tetrahedra and two borate triangles exist in ulcixite,  $\text{NaCaB}_5\text{O}_6(\text{OH})_6 \cdot 5\text{H}_2\text{O}$  (Clark and Appleman, 1964; Ghose *et al.*, 1978); they can polymerize to form a chain by sharing an oxygen atom common to a borate triangle of one polyanion and a tetrahedron of the next, which occurs in probertite,  $\text{NaCaB}_5\text{O}_7(\text{OH})_4 \cdot 3\text{H}_2\text{O}$  (Rumanova *et al.*, 1966). These polyanions, further linked into sheets, occur in heidornite,  $\text{Na}_2\text{Ca}_3\text{Cl}[\text{B}_5\text{O}_8(\text{OH})_2][\text{SO}_4]_2$  (Burzlaff, 1967) and synthetic  $\text{Na}_3\text{B}_5\text{O}_8(\text{OH})_2 \cdot \text{H}_2\text{O}$  (Menchetti and Sabelli, 1977). The culmination of this polymerization process results in an anhydrous pentaborate framework, which occurs in  $\text{Ca}_2\text{B}_5\text{O}_9\text{Br}$  (Lloyd *et al.*, 1973), in hilgardite,  $\text{Ca}_2\text{B}_5\text{O}_9\text{Cl} \cdot \text{H}_2\text{O}$  and parahilgardite,  $\text{Ca}_6[\text{B}_5\text{O}_9]_3\text{Cl}_3 \cdot 3\text{H}_2\text{O}$  (Ghose and Wan, 1977, 1979) and in the triclinic hilgardite-type phase  $\text{Ca}_2[\text{B}_5\text{O}_9]\text{Cl} \cdot \text{H}_2\text{O}$  (Rumanova *et al.*, 1977). We have recently described the crystal structure of hilgardite (Ghose and Wan, 1979). In this paper, we present the details of the parahilgardite structure.

**Occurrence and chemical composition**

Hilgardite and parahilgardite were found in the insoluble residues from a brine well in the Choctaw Salt Dome, Iberville Parish, Louisiana (Hurlbut and Taylor, 1937, Hurlbut, 1938). Parahilgardite is triclinic. It is found only as oriented intergrowths on hilgardite, which is monoclinic (crystal class *m*). The intergrowths consist of two partly merged individual crystals of parahilgardite, one right-handed and one left-handed and apparently in twinning position.

From a chemical analysis, Hurlbut (1938) assigned the composition,  $\text{Ca}_8(\text{B}_6\text{O}_{11})_3\text{Cl}_4 \cdot 4\text{H}_2\text{O}$  to parahilgardite. Braitsch (1959) described a new strontiohilgardite phase, whose unit cell volume is one-third that of parahilgardite; on this basis, he suggested that the chemical composition of parahilgardite is  $3[\text{Ca}_2\text{B}_5\text{O}_8(\text{OH})_2\text{Cl}]$ . Based on the crystal structure determination, Ghose and Wan (1977) showed that the correct chemical composition of parahilgardite is  $3[\text{Ca}_2\text{B}_5\text{O}_9\text{Cl} \cdot \text{H}_2\text{O}]$ .

**Crystal data**

Hurlbut (1938) determined the crystal class of parahilgardite to be triclinic non-centrosymmetric (piezoelectric), space group *P1*. However, his unit cell dimensions ( $a = 11.24$ ,  $b = 22.28$  and  $c = 6.20$  kX,  $\alpha = 90^\circ 00'$ ,  $\beta =$

For deposit

PARAHILGARDITE,  $\text{Ca}_6[\text{B}_5\text{O}_9]_3\text{Cl}_3 \cdot 3\text{H}_2\text{O}$

A TRICLINIC PIEZOELECTRIC ZEOLITE - TYPE PENTABORATE

Che'ng Wan and Subrata Ghose  
Department of Geological Sciences  
University of Washington  
Seattle, WA. 98195, U.S.A.

ABSTRACT

Parahilgardite,  $\text{Ca}_6[\text{B}_5\text{O}_9]_3\text{Cl}_3 \cdot 3\text{H}_2\text{O}$  from Iberville Parish, Louisiana is triclinic, mildly piezoelectric, space group  $P\bar{1}$ , with unit cell dimensions:  $\underline{a} = 17.495(4)$ ,  $\underline{b} = 6.487(1)$ ,  $\underline{c} = 6.313(1) \text{ \AA}$ ;  $\alpha = 60.77(1)$ ,  $\beta = 79.56(1)$ ,  $\gamma = 83.96(1)^\circ$ ;  $Z = 1$ . The R-factor is 0.020 for 4490 reflections. The absolute configuration and hydrogen positions have been determined. The structure of parahilgardite is a three dimensional framework, whose building blocks are three crystallographically distinct pentaborate polyanions  $[\text{B}_5\text{O}_{12}]^{9-}$ , each consisting of three  $(\text{BO}_4)$  tetrahedra and two  $(\text{BO}_3)$  triangles. These polyanions, two of which are in  $\underline{z}$  and one in  $\underline{d}$  configuration, form three distinct single chains by sharing tetrahedral corners along the  $\underline{c}$  axis. By sharing tetrahedral and triangular corners, each chain is connected to four adjacent chains, resulting in an open framework with channels parallel to all three axes, where calcium and chlorine atoms and the water molecules are located. The calcium polyhedra are hexagonal bipyramids, which are connected to form an open sheet. The water molecules are hydrogen bonded with chlorine atoms.

Table 2: Parahilgardite: Anisotropic Thermal Parameters  
(with standard deviation in parantheses)

ATOMS	*U <sub>11</sub>	U <sub>22</sub>	U <sub>33</sub>	U <sub>12</sub>	U <sub>13</sub>	U <sub>23</sub>
Ca(1)	1.02(2)	1.33(3)	0.73(2)	0.26(1)	-0.23(1)	-0.56(1)
Ca(2)	1.09(2)	1.10(2)	0.89(2)	-0.04(1)	-0.16(1)	-0.61(1)
Ca(3)	1.09(2)	1.23(2)	0.95(2)	0.07(1)	-0.20(1)	-0.64(1)
Ca(4)	1.14(2)	1.09(2)	0.68(2)	0.07(1)	-0.19(1)	-0.41(1)
Ca(5)	1.10(2)	1.24(2)	0.80(2)	-0.02(1)	-0.13(1)	-0.53(1)
Ca(6)	1.20(2)	1.14(2)	0.93(2)	-0.01(1)	-0.19(1)	-0.64(2)
Cl(1)	1.20(2)	1.38(2)	2.11(3)	-0.07(2)	-0.29(2)	-0.44(2)
Cl(2)	1.18(2)	1.35(2)	1.99(3)	0.05(2)	-0.34(2)	-0.74(2)
Cl(3)	1.18(2)	1.34(2)	1.78(2)	-0.01(2)	-0.29(2)	-0.52(2)
B(1)	0.68(9)	0.90(9)	0.74(9)	0.04(7)	-0.05(7)	-0.42(8)
B(2)	0.71(9)	0.63(8)	0.48(8)	0.00(7)	-0.09(7)	-0.21(7)
B(3)	0.76(9)	0.63(8)	0.61(9)	-0.08(7)	-0.24(7)	-0.29(7)
B(4)	0.54(9)	0.72(9)	0.64(9)	0.07(7)	-0.17(2)	-0.43(7)
B(5)	0.74(9)	0.73(9)	0.94(9)	-0.07(7)	-0.14(7)	-0.46(8)
B(6)	0.64(9)	0.77(9)	0.83(9)	0.02(7)	-0.16(7)	-0.47(8)
B(7)	0.81(9)	0.67(8)	0.48(8)	0.07(7)	-0.23(7)	-0.30(7)
B(8)	0.72(9)	0.69(9)	0.64(9)	-0.01(7)	-0.22(7)	-0.33(7)
B(9)	0.51(9)	0.56(8)	0.54(8)	0.00(7)	-0.13(7)	-0.17(7)
B(10)	0.94(9)	0.76(9)	0.56(9)	-0.04(7)	-0.11(8)	-0.35(8)
B(11)	0.77(9)	0.79(9)	0.62(9)	-0.09(7)	0.03(7)	-0.32(8)
B(12)	0.66(9)	0.75(9)	0.59(9)	-0.01(7)	-0.08(7)	-0.37(7)
B(13)	0.70(9)	0.65(9)	0.66(9)	0.01(7)	-0.19(7)	-0.35(7)
B(14)	0.71(9)	0.57(8)	0.54(9)	-0.01(7)	-0.13(7)	-0.32(7)
B(15)	1.06(10)	0.81(9)	0.60(9)	0.00(7)	-0.11(7)	-0.29(7)
O(1)	0.50(6)	1.50(7)	1.01(7)	-0.12(5)	-0.06(5)	-0.82(6)
O(2)	0.62(7)	1.74(7)	1.01(7)	-0.01(5)	-0.10(5)	-0.85(6)
O(3)	0.66(7)	1.62(7)	1.14(7)	0.15(5)	-0.19(5)	-0.99(6)
O(4)	1.99(8)	0.70(6)	0.73(6)	0.31(5)	-0.37(6)	-0.38(5)
O(5)	0.89(7)	0.88(6)	0.62(6)	-0.29(5)	0.12(5)	-0.43(5)
O(6)	0.88(7)	0.86(6)	0.65(6)	-0.19(5)	-0.04(5)	-0.47(5)
O(7)	1.74(8)	0.58(6)	0.74(6)	-0.01(5)	-0.39(6)	-0.33(5)
O(8)	0.83(7)	0.83(6)	0.60(6)	0.17(5)	-0.28(5)	-0.38(5)
O(9)	1.75(8)	0.55(6)	0.61(6)	0.25(5)	-0.48(6)	-0.26(5)
O(10)	0.47(6)	1.75(7)	1.03(7)	0.04(5)	-0.11(5)	-0.85(6)
O(11)	0.63(7)	1.43(7)	0.87(7)	0.13(5)	-0.18(5)	-0.56(6)
O(12)	0.68(6)	1.33(7)	0.71(6)	-0.12(5)	-0.07(5)	-0.43(5)
O(13)	0.89(7)	0.81(6)	0.50(6)	0.25(5)	-0.26(5)	-0.31(5)
O(14)	1.01(7)	0.77(6)	0.55(6)	0.18(5)	-0.17(5)	-0.35(5)
O(15)	1.60(7)	0.69(6)	0.65(6)	-0.16(5)	-0.13(5)	-0.29(5)
O(16)	0.71(6)	0.85(6)	0.56(6)	-0.16(5)	-0.12(5)	-0.35(5)
O(17)	1.64(7)	0.67(6)	0.54(6)	-0.03(5)	-0.47(5)	-0.16(5)
O(18)	0.52(6)	1.73(7)	1.04(7)	-0.07(5)	-0.10(5)	-0.82(6)
O(19)	1.57(7)	0.67(6)	0.76(6)	-0.25(5)	-0.16(5)	-0.36(5)
O(20)	0.59(6)	1.45(7)	1.00(7)	-0.10(5)	-0.06(5)	-0.77(6)
O(21)	0.85(7)	1.42(7)	1.00(7)	0.08(5)	-0.18(5)	-0.83(6)
O(22)	1.72(8)	0.59(6)	0.81(6)	0.28(5)	-0.38(6)	-0.39(5)
O(23)	1.06(7)	0.80(6)	0.55(6)	-0.23(5)	0.07(5)	-0.37(5)
O(24)	0.83(6)	0.88(6)	0.64(6)	-0.23(5)	-0.01(5)	-0.44(5)
O(25)	1.68(8)	0.56(6)	0.74(6)	0.06(5)	-0.43(6)	-0.37(5)
O(26)	0.68(6)	0.88(6)	0.59(6)	0.05(5)	-0.24(5)	-0.38(5)

Table 2 (cont.)

ATOMS	*U <sub>11</sub>	U <sub>22</sub>	U <sub>33</sub>	U <sub>12</sub>	U <sub>13</sub>	U <sub>23</sub>
O(27)	1.61(8)	0.66(6)	0.66(6)	0.32(5)	-0.41(5)	-0.34(5)
O(W1)	1.66(9)	1.78(9)	3.44(11)	-0.23(7)	-0.21(8)	-1.05(8)
O(W2)	2.76(10)	1.46(8)	1.89(9)	0.22(7)	-0.23(8)	-0.46(7)
O(W3)	2.76(11)	1.33(8)	2.46(10)	-0.12(7)	-0.08(8)	-0.82(8)

\*Temperature-factor expression ( $\times 10^2$ ),  $\exp[-2\pi^2(u_{11}h^2a^{*2} + u_{22}k^2b^{*2} + u_{33}l^2c^{*2} + u_{12}hka^*b^*\cos\gamma + 2u_{13}h\lambda a^*c^*\cos\beta + 2u_{23}k\lambda b^*c^*\cos\alpha^*)]$

FC

H	K	L	GRP	FD	FC
0	0	1	1	15.94	16.02
0	0	2	1	26.50	26.73
0	0	3	1	75.72	76.37
0	0	4	1	6.67	6.36
0	0	5	1	3.20	2.52
0	0	6	1	44.78	44.70
0	0	7	1	22.41	22.23
0	0	8	1	10.51	10.45
0	1	-7	1	16.45	16.20
0	1	-6	1	25.35	25.16
0	1	-5	1	5.61	5.20
0	1	-4	1	35.39	35.63
0	1	-3	1	55.39	55.76
0	1	-2	1	23.29	23.03
0	1	-1	1	50.37	51.79
0	1	0	1	55.75	55.29
0	1	1	1	14.50	14.99
0	1	2	1	1.68	1.75
0	1	3	1	100.63	105.28
0	1	4	1	15.64	14.89
0	1	5	1	19.71	19.76
0	1	6	1	20.48	20.67
0	1	7	1	20.76	20.47
0	1	8	1	11.12	11.28
0	2	-7	1	8.61	8.82
0	2	-6	1	23.37	22.77
0	2	-5	1	1.91	1.54
0	2	-4	1	18.10	18.79
0	2	-3	1	50.55	50.49
0	2	-2	1	19.21	19.46
0	2	-1	1	47.57	46.99
0	2	1	1	39.20	39.51
0	2	2	1	27.91	27.47
0	2	3	1	127.38	134.98
0	2	4	1	.96	1.36
0	2	5	1	10.94	10.64
0	2	6	1	70.61	72.74
0	2	7	1	21.22	20.72
0	2	8	1	12.89	12.86
0	2	9	1	30.63	29.68
0	3	-6	1	27.41	27.51
0	3	-5	1	7.41	7.09
0	3	-4	1	12.02	11.90
0	3	-3	1	15.12	14.81
0	3	-2	1	8.78	8.93
0	3	-1	1	45.98	45.62
0	3	0	1	59.20	56.65
0	3	1	1	25.36	25.30
0	3	2	1	36.25	34.60
0	3	3	1	71.40	72.95
0	3	4	1	15.28	15.14
0	3	5	1	11.56	11.48
0	3	6	1	6.10	7.43
0	3	7	1	19.87	20.02
0	3	8	1	13.67	12.92
0	3	9	1	24.27	24.23

FC

H	K	L	GRP	FD	FC
0	4	-5	1	5.15	5.21
0	4	-4	1	4.10	3.97
0	4	-3	1	25.10	25.09
0	4	-2	1	17.65	17.82
0	4	-1	1	27.22	27.95
0	4	0	1	48.96	48.32
0	4	1	1	21.75	21.95
0	4	2	1	24.18	24.46
0	4	3	1	48.86	48.03
0	4	4	1	3.21	3.27
0	4	5	1	26.37	26.27
0	4	6	1	79.85	83.24
0	4	7	1	19.96	20.00
0	4	8	1	1.51	2.47
0	4	9	1	34.67	34.37
0	5	-4	1	11.42	11.34
0	5	-3	1	16.35	16.36
0	5	-2	1	14.96	14.83
0	5	-1	1	13.08	12.70
0	5	0	1	13.98	13.54
0	5	1	1	21.52	21.33
0	5	2	1	13.62	13.82
0	5	3	1	59.94	60.59
0	5	4	1	16.14	15.91
0	5	5	1	5.15	4.47
0	5	6	1	9.70	9.88
0	5	7	1	17.36	17.10
0	5	8	1	14.83	14.52
0	5	9	1	24.68	24.16
0	6	-3	1	14.54	14.79
0	6	-2	1	6.15	6.82
0	6	-1	1	10.83	10.57
0	6	0	1	23.34	23.46
0	6	1	1	4.57	4.13
0	6	2	1	24.30	24.88
0	6	3	1	22.54	22.20
0	6	4	1	12.44	12.71
0	6	5	1	11.84	11.81
0	6	6	1	41.48	42.32
0	6	7	1	16.19	16.10
0	6	8	1	10.95	10.70
0	6	9	1	36.56	36.18
0	7	-2	1	18.82	18.55
0	7	-1	1	21.40	21.58
0	7	0	1	23.55	23.73
0	7	1	1	13.83	13.93
0	7	2	1	15.87	15.92
0	7	3	1	27.74	27.73
0	7	4	1	4.26	3.52
0	7	5	1	5.92	5.48
0	7	6	1	20.34	20.60
0	7	7	1	12.76	12.62
0	7	8	1	17.77	17.72
0	8	-1	1	4.81	4.32
0	8	0	1	12.37	12.34
0	8	1	1	7.83	7.45

FC

FC

H	K	L	GRP	FO	FC	H	K	L	GRP	FO	FC
0	8	2	1	2.99	2.13	1	-5	-8	1	15.72	15.39
0	8	3	1	15.05	14.68	1	-5	-7	1	4.40	4.04
0	8	4	1	8.03	8.26	1	-5	-6	1	11.83	11.27
0	8	5	1	6.73	6.33	1	-5	-5	1	12.93	12.56
0	8	6	1	19.60	19.04	1	-5	-4	1	37.53	37.47
0	8	7	1	10.42	10.11	1	-5	-3	1	27.49	27.99
0	8	8	1	12.68	12.56	1	-5	-2	1	10.03	10.21
0	9	1	1	1.50	1.09	1	-5	-1	1	36.39	36.97
0	9	2	1	30.68	30.39	1	-5	0	1	11.49	11.27
0	9	3	1	16.42	16.01	1	-5	1	1	7.11	7.44
0	9	4	1	18.24	17.74	1	-5	2	1	20.21	20.36
0	9	5	1	6.34	6.11	1	-5	3	1	10.10	10.42
0	9	6	1	19.42	19.28	1	-5	4	1	19.18	19.04
0	9	7	1	7.38	7.30	1	-4	-9	1	7.42	7.14
1	-9	-7	1	9.86	9.38	1	-4	-8	1	3.03	2.11
1	-9	-6	1	11.62	11.86	1	-4	-7	1	20.04	19.30
1	-9	-5	1	2.82	1.95	1	-4	-6	1	13.52	13.49
1	-9	-4	1	22.11	22.12	1	-4	-5	1	36.26	36.74
1	-9	-3	1	16.18	16.11	1	-4	-4	1	20.44	20.65
1	-9	-2	1	18.48	17.96	1	-4	-3	1	15.14	15.41
1	-9	-1	1	9.84	9.85	1	-4	-2	1	2.93	2.28
1	-8	-8	1	4.55	3.74	1	-4	-1	1	27.52	28.26
1	-8	-7	1	21.49	21.19	1	-4	0	1	41.00	41.06
1	-8	-6	1	22.30	21.88	1	-4	1	1	18.23	18.70
1	-8	-5	1	16.08	15.85	1	-4	2	1	14.45	14.14
1	-8	-4	1	9.19	9.28	1	-4	3	1	1.94	2.98
1	-8	-3	1	10.73	10.81	1	-4	4	1	12.20	11.72
1	-8	-2	1	14.46	14.25	1	-4	5	1	16.97	16.81
1	-8	-1	1	9.10	8.92	1	-3	-9	1	11.69	11.59
1	-8	0	1	15.21	15.24	1	-3	-8	1	17.15	17.24
1	-8	1	1	7.76	7.98	1	-3	-7	1	17.83	17.54
1	-7	-8	1	11.21	11.35	1	-3	-6	1	4.02	3.53
1	-7	-7	1	15.78	15.30	1	-3	-5	1	20.79	20.39
1	-7	-6	1	20.92	21.03	1	-3	-4	1	48.63	49.18
1	-7	-5	1	2.80	2.61	1	-3	-3	1	3.74	2.96
1	-7	-4	1	14.68	14.76	1	-3	-2	1	35.33	34.89
1	-7	-3	1	20.67	20.92	1	-3	-1	1	41.54	41.19
1	-7	-2	1	9.92	10.01	1	-3	0	1	22.68	22.08
1	-7	-1	1	22.75	22.57	1	-3	1	1	20.51	19.96
1	-7	0	1	22.89	22.40	1	-3	2	1	32.78	32.14
1	-7	1	1	1.97	1.01	1	-3	3	1	28.21	28.44
1	-7	2	1	13.08	13.26	1	-3	4	1	14.32	14.79
1	-6	-9	1	16.01	15.59	1	-3	5	1	8.61	8.45
1	-6	-8	1	1.84	3.59	1	-3	6	1	20.15	20.23
1	-6	-7	1	26.11	26.04	1	-2	-8	1	3.48	2.99
1	-6	-6	1	15.00	15.57	1	-2	-7	1	19.49	19.00
1	-6	-5	1	22.20	22.36	1	-2	-6	1	16.37	16.74
1	-6	-4	1	13.05	13.31	1	-2	-5	1	22.21	21.85
1	-6	-3	1	7.35	7.20	1	-2	-4	1	20.04	20.86
1	-6	-2	1	18.54	18.93	1	-2	-3	1	41.81	40.37
1	-6	-1	1	24.16	24.45	1	-2	-2	1	15.41	14.93
1	-6	0	1	28.90	29.15	1	-2	-1	1	34.83	35.46
1	-6	1	1	11.87	11.64	1	-2	0	1	36.59	36.33
1	-6	2	1	13.00	13.50	1	-2	1	1	49.79	49.62
1	-6	3	1	8.27	8.25	1	-2	2	1	57.30	57.42
1	-5	-9	1	7.91	7.44	1	-2	3	1	11.82	11.19

H	K	L	GRP	FO	FC
1	-2	4	1	3.47	3.56
1	-2	5	1	19.24	18.88
1	-2	6	1	24.02	24.04
1	-2	7	1	6.92	6.83
1	-1	-8	1	17.85	17.76
1	-1	-7	1	28.82	28.80
1	-1	-6	1	10.73	10.40
1	-1	-5	1	43.52	43.95
1	-1	-4	1	55.26	55.40
1	-1	-3	1	36.43	36.09
1	-1	-2	1	1.55	1.16
1	-1	-1	1	3.73	4.57
1	-1	0	1	8.20	7.26
1	-1	1	1	39.25	40.10
1	-1	2	1	69.06	69.46
1	-1	3	1	19.97	19.99
1	-1	4	1	32.74	33.27
1	-1	5	1	13.92	13.96
1	-1	6	1	11.95	11.80
1	-1	7	1	3.15	3.28
1	0	-8	1	2.87	3.18
1	0	-7	1	15.52	15.33
1	0	-6	1	11.54	12.31
1	0	-5	1	15.11	14.81
1	0	-4	1	16.24	16.05
1	0	-3	1	2.91	3.27
1	0	-2	1	16.93	17.17
1	0	-1	1	9.39	8.83
1	0	0	1	.38	1.39
1	0	1	1	17.88	18.55
1	0	2	1	97.41	104.42
1	0	3	1	28.05	28.57
1	0	4	1	3.31	3.03
1	0	5	1	30.10	30.31
1	0	6	1	19.52	19.58
1	0	7	1	14.90	14.62
1	0	8	1	15.53	15.78
1	1	-7	1	20.32	20.69
1	1	-6	1	8.94	8.95
1	1	-5	1	26.46	26.83
1	1	-4	1	33.52	33.56
1	1	-3	1	8.14	8.29
1	1	-2	1	46.75	44.65
1	1	-1	1	32.41	32.57
1	1	0	1	4.82	5.05
1	1	1	1	18.94	19.37
1	1	2	1	87.22	92.79
1	1	3	1	42.35	42.44
1	1	4	1	19.31	19.26
1	1	5	1	17.94	19.30
1	1	6	1	11.66	12.19
1	1	7	1	8.30	8.11
1	1	8	1	12.85	13.11
1	2	-7	1	10.93	10.46
1	2	-6	1	8.32	8.00
1	2	-5	1	6.25	5.74

H	K	L	GRP	FO	FC
1	2	-4	1	22.02	22.65
1	2	-3	1	18.81	18.51
1	2	-2	1	9.29	9.60
1	2	-1	1	19.41	19.58
1	2	0	1	31.84	32.39
1	2	1	1	51.73	53.11
1	2	2	1	95.49	101.99
1	2	3	1	39.14	38.38
1	2	4	1	2.41	1.86
1	2	5	1	30.99	30.12
1	2	6	1	7.57	7.55
1	2	7	1	11.91	12.11
1	2	8	1	29.33	29.17
1	2	9	1	16.34	16.47
1	3	-6	1	4.17	4.23
1	3	-5	1	18.74	18.53
1	3	-4	1	17.89	18.05
1	3	-3	1	6.98	6.73
1	3	-2	1	14.78	14.60
1	3	-1	1	18.92	19.05
1	3	0	1	16.54	16.10
1	3	1	1	69.94	69.95
1	3	2	1	60.52	61.66
1	3	3	1	21.39	21.81
1	3	4	1	20.19	19.71
1	3	5	1	28.36	27.37
1	3	6	1	2.72	2.04
1	3	7	1	13.93	14.17
1	3	8	1	16.29	16.17
1	3	9	1	18.82	18.50
1	4	-5	1	9.06	8.76
1	4	-4	1	11.10	10.54
1	4	-3	1	8.76	8.66
1	4	-2	1	19.05	19.44
1	4	-1	1	44.44	44.63
1	4	0	1	21.05	20.97
1	4	1	1	46.78	46.97
1	4	2	1	51.41	51.31
1	4	3	1	15.02	15.32
1	4	4	1	6.46	6.25
1	4	5	1	7.93	7.86
1	4	6	1	2.63	1.96
1	4	7	1	15.11	14.65
1	4	8	1	39.26	39.25
1	4	9	1	16.10	15.93
1	5	-4	1	28.86	28.59
1	5	-3	1	6.02	5.61
1	5	-2	1	13.52	13.35
1	5	-1	1	11.08	11.23
1	5	0	1	5.24	5.11
1	5	1	1	20.12	20.59
1	5	2	1	34.48	34.02
1	5	3	1	6.36	6.37
1	5	4	1	50.33	51.36
1	5	5	1	31.80	32.34
1	5	6	1	6.25	6.53

FC

FC

H	K	L	GRP	FO	FC	H	K	L	GRP	FO	FC
1	5	7	1	16.17	15.75	2	-8	-3	1	10.75	10.57
1	5	8	1	16.04	16.10	2	-8	-2	1	24.73	24.94
1	5	9	1	14.91	14.85	2	-8	-1	1	20.93	20.89
1	6	-3	1	7.64	7.37	2	-8	0	1	12.68	12.31
1	6	-2	1	14.83	14.47	2	-8	1	1	18.56	18.49
1	6	-1	1	23.30	23.06	2	-7	-8	1	16.45	16.55
1	6	0	1	11.36	11.37	2	-7	-7	1	9.67	9.19
1	6	1	1	7.55	7.66	2	-7	-6	1	9.52	9.18
1	6	2	1	22.96	23.16	2	-7	-5	1	21.93	21.62
1	6	3	1	4.58	4.39	2	-7	-4	1	10.63	10.60
1	6	4	1	4.55	4.66	2	-7	-3	1	12.64	12.82
1	6	5	1	8.57	7.60	2	-7	-2	1	19.59	19.48
1	6	6	1	12.95	12.70	2	-7	-1	1	28.68	28.47
1	6	7	1	15.33	15.05	2	-7	0	1	4.45	3.74
1	6	8	1	32.72	31.71	2	-7	1	1	6.75	6.68
1	6	9	1	14.94	14.54	2	-7	2	1	9.66	9.42
1	7	-2	1	11.29	11.10	2	-6	-9	1	4.83	5.51
1	7	-1	1	11.05	11.18	2	-6	-8	1	29.37	29.12
1	7	0	1	13.28	13.34	2	-6	-7	1	8.84	9.05
1	7	1	1	6.75	6.87	2	-6	-6	1	6.11	6.33
1	7	2	1	29.52	29.62	2	-6	-5	1	39.89	39.71
1	7	3	1	6.59	5.99	2	-6	-4	1	22.07	22.08
1	7	4	1	23.61	23.90	2	-6	-3	1	19.85	19.92
1	7	5	1	16.10	15.91	2	-6	-2	1	39.54	38.96
1	7	6	1	7.23	7.13	2	-6	-1	1	33.35	34.00
1	7	7	1	21.64	21.27	2	-6	0	1	8.94	8.86
1	7	8	1	22.07	21.81	2	-6	1	1	26.89	27.11
1	7	9	1	11.53	11.00	2	-6	2	1	27.25	27.49
1	8	-1	1	6.92	6.80	2	-6	3	1	6.03	5.80
1	8	0	1	6.09	6.11	2	-5	-9	1	6.33	6.05
1	8	1	1	14.19	14.53	2	-5	-8	1	26.09	25.82
1	8	2	1	8.98	9.36	2	-5	-7	1	10.42	10.83
1	8	3	1	6.40	6.39	2	-5	-6	1	7.91	7.64
1	8	4	1	11.27	10.64	2	-5	-5	1	23.94	24.44
1	8	5	1	9.16	8.92	2	-5	-4	1	30.97	31.14
1	8	6	1	10.02	9.98	2	-5	-3	1	18.87	18.87
1	8	7	1	13.48	12.91	2	-5	-2	1	28.17	28.11
1	8	8	1	14.83	14.64	2	-5	-1	1	28.52	29.56
1	9	1	1	5.99	6.34	2	-5	0	1	13.53	13.73
1	9	2	1	23.48	23.41	2	-5	1	1	16.22	16.54
1	9	3	1	6.43	5.92	2	-5	2	1	14.66	14.82
1	9	4	1	17.52	17.84	2	-5	3	1	12.72	12.60
1	9	5	1	16.47	16.74	2	-5	4	1	21.40	21.22
1	9	6	1	14.85	14.62	2	-4	-9	1	5.95	5.52
1	9	7	1	10.06	9.86	2	-4	-8	1	24.52	23.66
2	-9	-7	1	10.61	9.79	2	-4	-7	1	12.89	12.69
2	-9	-6	1	6.25	6.39	2	-4	-6	1	8.90	9.09
2	-9	-5	1	7.67	8.59	2	-4	-5	1	48.66	48.79
2	-9	-4	1	9.28	9.53	2	-4	-4	1	7.03	7.16
2	-9	-3	1	9.88	9.49	2	-4	-3	1	25.26	25.96
2	-9	-2	1	26.48	25.80	2	-4	-2	1	35.73	34.65
2	-8	-8	1	32.25	31.06	2	-4	-1	1	6.56	7.16
2	-8	-7	1	10.79	10.10	2	-4	0	1	18.39	18.42
2	-8	-6	1	6.39	6.07	2	-4	1	1	60.07	62.67
2	-8	-5	1	36.14	35.82	2	-4	2	1	42.03	41.75
2	-8	-4	1	23.26	22.74	2	-4	3	1	5.72	5.96



H	K	L	GRP	FO	FC	H	K	L	GRP	FO	FC
2	-4	4	1	21.95	21.96	2	0	-2	1	37.50	36.32
2	-4	5	1	5.61	5.38	2	0	-1	1	5.64	5.27
2	-3	-9	1	9.17	9.47	2	0	0	1	2.34	2.04
2	-3	-8	1	37.63	37.86	2	0	1	1	15.76	15.13
2	-3	-7	1	10.99	10.78	2	0	2	1	32.84	31.75
2	-3	-6	1	3.88	3.66	2	0	3	1	27.34	28.29
2	-3	-5	1	33.21	32.27	2	0	4	1	17.46	17.61
2	-3	-4	1	7.87	7.44	2	0	5	1	17.32	17.38
2	-3	-3	1	14.85	15.33	2	0	6	1	9.07	9.22
2	-3	-2	1	65.42	66.01	2	0	7	1	33.69	33.36
2	-3	-1	1	24.92	23.81	2	0	8	1	14.70	14.73
2	-3	0	1	11.95	11.97	2	1	-7	1	9.54	9.64
2	-3	1	1	37.19	37.13	2	1	-6	1	21.40	21.11
2	-3	2	1	9.74	9.55	2	1	-5	1	50.35	51.46
2	-3	3	1	22.38	22.98	2	1	-4	1	22.66	22.52
2	-3	4	1	24.90	25.17	2	1	-3	1	32.94	33.53
2	-3	5	1	21.23	20.72	2	1	-2	1	91.30	94.16
2	-3	6	1	5.51	5.65	2	1	-1	1	11.65	11.83
2	-2	-8	1	27.32	26.65	2	1	0	1	12.79	12.33
2	-2	-7	1	8.15	7.79	2	1	1	1	29.32	29.05
2	-2	-6	1	7.80	7.99	2	1	2	1	1.39	1.31
2	-2	-5	1	10.99	10.76	2	1	3	1	49.26	49.50
2	-2	-4	1	3.52	2.87	2	1	4	1	63.44	64.67
2	-2	-3	1	43.98	45.31	2	1	5	1	27.37	27.78
2	-2	-2	1	44.51	43.20	2	1	6	1	5.11	5.99
2	-2	-1	1	16.75	16.30	2	1	7	1	14.25	13.81
2	-2	0	1	10.61	10.80	2	1	8	1	14.60	14.61
2	-2	1	1	63.84	64.67	2	2	-7	1	7.25	6.79
2	-2	2	1	33.21	32.61	2	2	-6	1	19.88	19.82
2	-2	3	1	13.40	13.43	2	2	-5	1	16.42	16.27
2	-2	4	1	29.02	29.39	2	2	-4	1	3.58	3.58
2	-2	5	1	22.69	22.63	2	2	-3	1	26.65	26.99
2	-2	6	1	8.66	8.45	2	2	-2	1	29.50	29.15
2	-2	7	1	12.56	12.78	2	2	-1	1	22.48	21.55
2	-1	-8	1	22.65	22.18	2	2	0	1	17.92	17.89
2	-1	-7	1	5.55	5.16	2	2	1	1	18.14	19.03
2	-1	-6	1	10.61	10.26	2	2	2	1	24.93	25.21
2	-1	-5	1	77.30	80.28	2	2	3	1	53.43	54.53
2	-1	-4	1	5.75	5.62	2	2	4	1	31.25	31.04
2	-1	-3	1	48.49	49.33	2	2	5	1	6.71	6.08
2	-1	-2	1	50.38	53.02	2	2	6	1	4.95	5.06
2	-1	-1	1	6.64	6.26	2	2	7	1	20.04	19.49
2	-1	0	1	8.96	8.98	2	2	8	1	8.07	8.10
2	-1	1	1	42.69	42.89	2	2	9	1	8.12	8.30
2	-1	2	1	44.81	44.70	2	3	-6	1	18.31	18.24
2	-1	3	1	13.92	14.47	2	3	-5	1	37.41	37.04
2	-1	4	1	48.49	49.02	2	3	-4	1	5.32	5.08
2	-1	5	1	21.58	21.88	2	3	-3	1	22.22	21.86
2	-1	6	1	13.00	13.27	2	3	-2	1	32.69	32.25
2	-1	7	1	10.20	10.23	2	3	-1	1	6.45	6.93
2	0	-8	1	28.60	28.72	2	3	0	1	18.91	19.15
2	0	-7	1	6.35	6.41	2	3	1	1	102.31	105.24
2	0	-6	1	11.84	11.84	2	3	2	1	32.87	32.18
2	0	-5	1	12.36	12.99	2	3	3	1	34.13	35.52
2	0	-4	1	7.98	8.03	2	3	4	1	77.12	77.68
2	0	-3	1	12.76	13.69	2	3	5	1	5.57	5.47

H	K	L	GRP	FO	FC	H	K	L	GRP	FO	FC
2	3	6	1	2.79	2.58	2	7	8	1	6.88	6.33
2	3	7	1	18.52	18.45	2	7	9	1	14.73	14.19
2	3	8	1	16.26	16.05	2	8	-1	1	4.39	4.49
2	3	9	1	15.37	15.25	2	8	0	1	4.83	4.36
2	4	-5	1	7.16	7.18	2	8	1	1	7.74	7.74
2	4	-4	1	5.96	5.75	2	8	2	1	8.45	8.40
2	4	-3	1	25.16	25.04	2	8	3	1	19.78	19.70
2	4	-2	1	48.34	49.31	2	8	4	1	25.04	24.90
2	4	-1	1	12.99	13.04	2	8	5	1	4.22	3.32
2	4	0	1	35.06	34.97	2	8	6	1	18.79	18.97
2	4	1	1	10.09	9.37	2	8	7	1	12.98	12.46
2	4	2	1	19.43	19.51	2	8	8	1	6.19	5.64
2	4	3	1	21.18	21.88	2	9	1	1	16.06	16.28
2	4	4	1	8.30	7.81	2	9	2	1	10.22	9.84
2	4	5	1	18.15	17.74	2	9	3	1	12.28	12.33
2	4	6	1	10.38	10.42	2	9	4	1	30.40	30.15
2	4	7	1	15.55	15.24	2	9	5	1	6.49	5.82
2	4	8	1	3.30	2.45	2	9	6	1	8.86	8.52
2	4	9	1	11.56	11.72	2	9	7	1	17.04	17.63
2	5	-4	1	10.72	10.28	3	-9	-6	1	11.80	11.79
2	5	-3	1	18.78	18.55	3	-9	-5	1	19.32	19.28
2	5	-2	1	25.20	25.39	3	-9	-4	1	4.49	4.77
2	5	-1	1	13.49	14.13	3	-9	-3	1	24.26	24.29
2	5	0	1	16.98	16.99	3	-9	-2	1	9.55	9.34
2	5	1	1	57.83	59.54	3	-8	-8	1	2.95	3.63
2	5	2	1	7.08	6.87	3	-8	-7	1	4.68	5.17
2	5	3	1	18.80	18.81	3	-8	-6	1	24.77	24.87
2	5	4	1	75.17	77.54	3	-8	-5	1	19.13	19.01
2	5	5	1	10.81	10.53	3	-8	-4	1	12.47	12.38
2	5	6	1	10.37	10.68	3	-8	-3	1	12.98	12.57
2	5	7	1	24.95	24.09	3	-8	-2	1	8.27	8.57
2	5	8	1	12.32	12.53	3	-8	-1	1	5.21	4.64
2	5	9	1	14.36	13.92	3	-8	0	1	25.63	25.80
2	6	-3	1	17.09	16.88	3	-7	-8	1	18.95	18.76
2	6	-2	1	28.28	28.35	3	-7	-7	1	9.88	9.55
2	6	-1	1	12.85	12.69	3	-7	-6	1	27.39	26.87
2	6	0	1	17.00	16.76	3	-7	-5	1	29.31	28.85
2	6	1	1	16.96	17.20	3	-7	-4	1	6.60	6.34
2	6	2	1	12.44	12.54	3	-7	-3	1	32.91	32.87
2	6	3	1	38.41	39.90	3	-7	-2	1	24.10	24.00
2	6	4	1	24.63	25.13	3	-7	-1	1	10.68	10.47
2	6	5	1	7.79	8.04	3	-7	0	1	13.23	12.52
2	6	6	1	14.99	15.04	3	-7	1	1	28.65	28.69
2	6	7	1	12.92	12.71	3	-7	2	1	13.38	12.79
2	6	8	1	4.68	4.31	3	-6	-8	1	4.15	4.55
2	6	9	1	19.76	19.39	3	-6	-7	1	1.82	2.51
2	7	-2	1	26.43	26.23	3	-6	-6	1	26.84	26.95
2	7	-1	1	2.11	2.75	3	-6	-5	1	3.28	4.02
2	7	0	1	11.48	11.66	3	-6	-4	1	20.96	21.19
2	7	1	1	26.80	27.26	3	-6	-3	1	34.37	34.95
2	7	2	1	5.93	5.93	3	-6	-2	1	20.84	21.52
2	7	3	1	5.52	5.38	3	-6	-1	1	9.65	9.28
2	7	4	1	34.75	35.26	3	-6	0	1	39.75	39.37
2	7	5	1	11.27	11.23	3	-6	1	1	19.33	19.38
2	7	6	1	17.43	17.67	3	-6	2	1	8.08	7.91
2	7	7	1	38.20	37.50	3	-6	3	1	12.38	12.38

FC

FC

H	K	L	GRP	FD	FC	H	K	L	GRP	FD	FC
3	-5	-9	1	11.66	11.11	3	-2	3	1	25.16	25.32
3	-5	-8	1	15.43	15.46	3	-2	4	1	22.02	22.25
3	-5	-7	1 L	2.02	1.66	3	-2	5	1	7.01	6.97
3	-5	-6	1	29.05	28.83	3	-2	6	1	21.29	21.20
3	-5	-5	1	19.18	19.22	3	-2	7	1	9.94	10.08
3	-5	-4	1	9.38	8.96	3	-1	-8	1	9.28	9.70
3	-5	-3	1	50.90	51.55	3	-1	-7	1	4.94	4.69
3	-5	-2	1	29.96	30.38	3	-1	-6	1	23.06	23.26
3	-5	-1	1	27.70	28.15	3	-1	-5	1	17.29	17.61
3	-5	0	1	26.42	26.27	3	-1	-4	1	11.70	11.35
3	-5	1	1	37.51	38.19	3	-1	-3	1	31.49	32.85
3	-5	2	1	5.21	5.44	3	-1	-2	1	3.20	3.61
3	-5	3	1	31.14	31.25	3	-1	-1	1	22.92	23.02
3	-5	4	1	5.96	6.66	3	-1	0	1	33.85	32.32
3	-4	-9	1 L	8.23	7.51	3	-1	1	1	43.57	43.78
3	-4	-8	1 L	2.82	2.87	3	-1	2	1	20.96	19.25
3	-4	-7	1	3.36	3.19	3	-1	3	1	59.52	60.03
3	-4	-6	1	20.54	21.76	3	-1	4	1	38.47	39.16
3	-4	-5	1	26.77	27.60	3	-1	5	1	12.04	12.14
3	-4	-4	1	5.10	5.12	3	-1	6	1	17.49	17.68
3	-4	-3	1	27.90	27.70	3	-1	7	1	14.78	14.39
3	-4	-2	1	12.71	12.47	3	0	-8	1	7.97	8.13
3	-4	-1	1	11.39	11.23	3	0	-7	1	11.34	11.43
3	-4	0	1	66.68	66.68	3	0	-6	1	17.52	17.68
3	-4	1	1	21.27	22.32	3	0	-5	1	14.44	14.32
3	-4	2	1	11.21	11.19	3	0	-4	1	8.21	8.38
3	-4	3	1	16.73	16.80	3	0	-3	1	40.73	40.50
3	-4	4	1	17.79	18.14	3	0	-2	1	10.18	9.49
3	-4	5	1 L	1.91	3.02	3	0	-1	1	25.04	24.44
3	-3	-9	1 L	7.16	6.05	3	0	0	1	54.23	55.44
3	-3	-8	1	11.59	11.32	3	0	1	1	6.54	6.37
3	-3	-7	1	5.18	5.44	3	0	2	1	24.78	24.40
3	-3	-6	1	38.76	39.31	3	0	3	1	35.64	34.15
3	-3	-5	1	17.99	17.65	3	0	4	1	20.20	20.12
3	-3	-4	1	6.88	6.19	3	0	5	1	15.76	15.82
3	-3	-3	1	46.57	48.38	3	0	6	1	21.37	21.85
3	-3	-2	1	36.56	37.26	3	0	7	1	6.14	5.49
3	-3	-1	1	11.51	12.39	3	0	8	1	6.40	6.54
3	-3	0	1	26.59	26.48	3	1	-7	1	5.14	5.30
3	-3	1	1	50.16	49.87	3	1	-6	1	20.99	20.81
3	-3	2	1	7.10	7.19	3	1	-5	1	6.46	6.28
3	-3	3	1	58.13	59.15	3	1	-4	1	19.75	20.44
3	-3	4	1	21.07	21.30	3	1	-3	1	44.87	45.72
3	-3	5	1	16.67	16.49	3	1	-2	1	17.18	16.28
3	-3	6	1	6.86	6.40	3	1	-1	1	16.70	17.34
3	-2	-8	1	3.73	3.01	3	1	0	1	46.62	45.84
3	-2	-7	1	3.97	4.00	3	1	1	1	6.59	6.10
3	-2	-6	1	22.56	23.43	3	1	2	1	2.11	.48
3	-2	-5	1	17.29	16.86	3	1	3	1	33.44	34.72
3	-2	-4	1	3.45	3.20	3	1	4	1	11.69	11.57
3	-2	-3	1	23.12	22.91	3	1	5	1	25.08	24.41
3	-2	-2	1	5.93	5.09	3	1	6	1	29.15	29.16
3	-2	-1	1	13.94	13.49	3	1	7	1	10.40	9.85
3	-2	0	1	69.56	69.24	3	1	8	1	11.19	11.06
3	-2	1	1	41.75	39.66	3	2	-6	1	17.42	17.70
3	-2	2	1	14.28	14.11	3	2	-5	1	13.99	13.87

FC

FC

H	K	L	GRP	FO	FC	H	K	L	GRP	FO	FC
3	2	-4	1	36.56	37.55	3	5	7	1	4.58	4.31
3	2	-3	1	52.40	52.83	3	5	8	1	15.49	14.95
3	2	-2	1	12.63	12.21	3	5	9	1	20.71	20.40
3	2	-1	1	8.63	9.06	3	6	-3	1	19.90	19.79
3	2	0	1	66.70	67.49	3	6	-2	1	10.90	10.85
3	2	1	1	37.14	36.73	3	6	-1	1	28.43	28.69
3	2	2	1	31.52	30.76	3	6	0	1	35.56	35.39
3	2	3	1	22.92	22.23	3	6	1	1	11.21	11.35
3	2	4	1	1.80	.62	3	6	2	1	36.86	37.66
3	2	5	1	14.10	13.82	3	6	3	1	55.82	57.74
3	2	6	1	37.02	38.09	3	6	4	1	11.82	12.26
3	2	7	1	8.90	8.87	3	6	5	1	23.70	23.80
3	2	8	1	3.99	4.07	3	6	6	1	26.34	26.86
3	2	9	1	9.88	10.55	3	6	7	1	9.84	9.21
3	3	-6	1	8.40	8.49	3	6	8	1	7.32	7.56
3	3	-5	1	16.20	15.65	3	6	9	1	14.71	14.54
3	3	-4	1	14.48	14.34	3	7	-2	1	17.65	17.30
3	3	-3	1	39.98	40.45	3	7	-1	1	21.39	20.99
3	3	-2	1	12.83	12.98	3	7	0	1	8.22	7.95
3	3	-1	1	11.91	11.95	3	7	1	1	10.54	10.76
3	3	0	1	23.12	23.15	3	7	2	1	16.62	16.40
3	3	1	1	16.24	14.64	3	7	3	1	14.64	14.70
3	3	2	1	32.61	31.64	3	7	4	1	8.28	8.27
3	3	3	1	58.21	59.32	3	7	5	1	17.84	17.97
3	3	4	1	7.32	6.57	3	7	6	1	19.62	19.95
3	3	5	1	14.62	14.28	3	7	7	1	6.40	6.12
3	3	6	1	36.69	36.43	3	7	8	1	19.16	18.32
3	3	7	1	6.87	6.87	3	7	9	1	16.38	16.46
3	3	8	1	12.04	12.10	3	8	0	1	24.29	24.50
3	3	9	1	20.66	20.39	3	8	1	1	4.30	4.17
3	4	-5	1	5.82	6.03	3	8	2	1	19.72	19.41
3	4	-4	1	29.73	30.12	3	8	3	1	26.25	26.08
3	4	-3	1	30.59	30.73	3	8	4	1	8.70	8.71
3	4	-2	1	5.84	5.55	3	8	5	1	30.44	30.27
3	4	-1	1	46.90	48.35	3	8	6	1	25.17	25.31
3	4	0	1	66.75	67.86	3	8	7	1	8.89	8.74
3	4	1	1	30.94	31.34	3	8	8	1	10.62	10.37
3	4	2	1	26.45	26.71	3	9	1	1	9.87	9.53
3	4	3	1	48.88	50.15	3	9	2	1	6.06	6.47
3	4	4	1	14.92	14.76	3	9	3	1	12.23	11.89
3	4	5	1	34.07	33.32	3	9	4	1	8.60	8.52
3	4	6	1	31.57	32.57	3	9	5	1	2.99	3.32
3	4	7	1	5.04	4.95	3	9	6	1	2.09	3.61
3	4	8	1	2.37	2.57	3	9	7	1	2.59	2.67
3	4	9	1	17.61	17.44	4	-9	-6	1	13.43	12.97
3	5	-4	1	4.38	4.08	4	-9	-5	1	1.44	1.44
3	5	-3	1	15.21	14.96	4	-9	-4	1	25.39	25.35
3	5	-2	1	3.83	3.42	4	-9	-3	1	22.14	21.64
3	5	-1	1	25.99	25.85	4	-9	-2	1	11.00	10.56
3	5	0	1	30.55	30.96	4	-8	-7	1	8.17	7.05
3	5	1	1	20.24	20.96	4	-8	-6	1	18.32	18.45
3	5	2	1	5.83	5.07	4	-8	-5	1	9.84	9.96
3	5	3	1	25.70	26.00	4	-8	-4	1	21.02	20.53
3	5	4	1	15.94	16.24	4	-8	-3	1	14.73	14.97
3	5	5	1	22.92	22.78	4	-8	-2	1	9.86	10.04
3	5	6	1	30.24	30.32	4	-8	-1	1	7.09	7.62

FC

FC

H	K	L	GRP	FD	FC
4	-8	0	1	3.31	4.14
4	-7	-8	1	7.03	7.60
4	-7	-7	1	28.24	27.48
4	-7	-6	1	14.07	13.68
4	-7	-5	1	10.30	10.41
4	-7	-4	1	32.16	31.80
4	-7	-3	1	18.91	18.76
4	-7	-2	1	9.45	9.53
4	-7	-1	1	23.55	23.72
4	-7	0	1	17.51	17.76
4	-7	1	1	5.50	5.03
4	-7	2	1	27.63	27.26
4	-6	-8	1	2.27	3.13
4	-6	-7	1	5.46	4.11
4	-6	-6	1	16.41	16.49
4	-6	-5	1	3.37	2.72
4	-6	-4	1	15.60	15.83
4	-6	-3	1	19.05	19.32
4	-6	-2	1	15.05	15.18
4	-6	-1	1	7.79	7.87
4	-6	0	1	12.43	12.19
4	-6	1	1	14.34	14.51
4	-6	2	1	22.85	22.97
4	-6	3	1	18.08	17.98
4	-5	-9	1	12.62	12.37
4	-5	-8	1	12.81	13.11
4	-5	-7	1	12.65	13.25
4	-5	-6	1	10.70	11.13
4	-5	-5	1	10.48	10.49
4	-5	-4	1	73.92	75.67
4	-5	-3	1	16.73	16.73
4	-5	-2	1	13.16	12.87
4	-5	-1	1	47.05	47.53
4	-5	0	1	16.83	17.25
4	-5	1	1	17.38	17.35
4	-5	2	1	24.49	24.22
4	-5	3	1	26.07	26.15
4	-5	4	1	12.73	12.41
4	-4	-9	1	10.21	10.04
4	-4	-8	1	3.10	3.21
4	-4	-7	1	7.57	7.06
4	-4	-6	1	8.68	8.88
4	-4	-5	1	12.98	13.51
4	-4	-4	1	14.62	14.97
4	-4	-3	1	9.02	9.22
4	-4	-2	1	9.89	10.02
4	-4	-1	1	9.23	7.78
4	-4	0	1	21.19	21.25
4	-4	1	1	7.68	7.63
4	-4	2	1	38.52	38.91
4	-4	3	1	28.28	28.14
4	-4	4	1	8.23	8.57
4	-4	5	1	3.11	2.33
4	-3	-8	1	17.34	16.94
4	-3	-7	1	5.45	5.68
4	-3	-6	1	3.92	3.15

L

H	K	L	GRP	FD	FC
4	-3	-5	1	13.34	13.17
4	-3	-4	1	58.58	59.52
4	-3	-3	1	23.36	23.84
4	-3	-2	1	32.16	31.10
4	-3	-1	1	98.14	99.71
4	-3	0	1	11.05	10.84
4	-3	1	1	13.71	13.76
4	-3	2	1	29.27	29.18
4	-3	3	1	16.69	16.64
4	-3	4	1	5.59	5.57
4	-3	5	1	38.68	38.33
4	-3	6	1	20.98	20.90
4	-2	-8	1	7.15	7.12
4	-2	-7	1	16.45	16.37
4	-2	-6	1	3.59	4.18
4	-2	-5	1	12.11	12.13
4	-2	-4	1	14.09	14.46
4	-2	-3	1	51.05	52.73
4	-2	-2	1	1.49	1.60
4	-2	-1	1	17.45	18.03
4	-2	0	1	13.07	12.81
4	-2	1	1	26.99	25.59
4	-2	2	1	22.12	21.41
4	-2	3	1	23.49	23.88
4	-2	4	1	10.72	10.64
4	-2	5	1	8.45	8.30
4	-2	6	1	21.09	21.04
4	-2	7	1	8.08	7.93
4	-1	-8	1	17.86	17.16
4	-1	-7	1	4.81	4.61
4	-1	-6	1	4.97	4.98
4	-1	-5	1	23.72	24.52
4	-1	-4	1	50.67	52.51
4	-1	-3	1	46.75	47.67
4	-1	-2	1	2.28	2.59
4	-1	-1	1	51.83	52.46
4	-1	0	1	17.56	17.78
4	-1	1	1	22.08	20.91
4	-1	2	1	86.16	87.58
4	-1	3	1	21.81	22.30
4	-1	4	1	26.93	27.17
4	-1	5	1	47.74	48.64
4	-1	6	1	21.95	22.15
4	-1	7	1	9.34	9.38
4	0	-7	1	31.59	31.22
4	0	-6	1	11.52	12.07
4	0	-5	1	14.20	14.44
4	0	-4	1	9.37	9.37
4	0	-3	1	17.30	17.91
4	0	-2	1	5.74	6.04
4	0	-1	1	74.38	78.35
4	0	0	1	1.16	1.05
4	0	1	1	7.74	7.71
4	0	2	1	7.07	8.38
4	0	3	1	19.01	19.75
4	0	4	1	7.48	6.98

L

L

H	K	L	GRP	FO	FC	H	K	L	GRP	FO	FC
4	0	5	1	11.36	11.73	4	4	-1	1	60.80	61.93
4	0	6	1	8.79	8.67	4	4	0	1	13.06	13.09
4	0	7	1	3.98	3.83	4	4	1	1	31.25	31.92
4	0	8	1	23.15	23.00	4	4	2	1	22.33	22.40
4	1	-7	1	5.57	5.06	4	4	3	1	18.46	18.67
4	1	-6	1	10.88	10.88	4	4	4	1	13.22	12.83
4	1	-5	1	6.65	7.36	4	4	5	1	54.70	54.76
4	1	-4	1	55.44	56.95	4	4	6	1	9.48	9.69
4	1	-3	1	8.21	8.25	4	4	7	1	15.24	15.00
4	1	-2	1	49.36	50.03	4	4	8	1	7.97	7.95
4	1	-1	1	16.95	16.67	4	4	9	1	4.73	5.24
4	1	0	1	14.67	14.05	4	5	-4	1	17.15	17.21
4	1	1	1	8.79	8.72	4	5	-3	1	9.19	9.16
4	1	2	1	73.00	74.11	4	5	-2	1	31.43	31.27
4	1	3	1	42.54	42.64	4	5	-1	1	6.34	6.88
4	1	4	1	9.70	9.44	4	5	0	1	7.86	7.79
4	1	5	1	67.44	68.49	4	5	1	1	6.53	7.01
4	1	6	1	6.05	5.65	4	5	2	1	31.89	32.43
4	1	7	1	5.94	6.24	4	5	3	1	15.98	16.16
4	1	8	1	10.51	10.62	4	5	4	1	46.80	48.56
4	2	-6	1	9.84	9.78	4	5	5	1	15.38	15.72
4	2	-5	1	24.85	25.55	4	5	6	1	L 2.23	3.31
4	2	-4	1	34.53	34.34	4	5	7	1	14.46	13.88
4	2	-3	1	16.91	16.97	4	5	8	1	8.34	8.64
4	2	-2	1	6.76	6.76	4	5	9	1	4.90	4.99
4	2	-1	1	88.95	91.81	4	6	-3	1	15.68	15.65
4	2	0	1	10.69	10.54	4	6	-2	1	20.09	20.28
4	2	1	1	26.55	26.42	4	6	-1	1	24.68	24.60
4	2	2	1	31.62	32.78	4	6	0	1	13.55	13.72
4	2	3	1	38.21	38.71	4	6	1	1	43.47	44.36
4	2	4	1	.96	.40	4	6	2	1	31.09	31.53
4	2	5	1	26.81	26.79	4	6	3	1	20.16	20.70
4	2	6	1	12.77	12.82	4	6	4	1	20.41	20.33
4	2	7	1	9.55	9.58	4	6	5	1	42.89	43.43
4	2	8	1	22.08	22.10	4	6	6	1	4.96	4.62
4	2	9	1	2.85	2.65	4	6	7	1	7.94	7.13
4	3	-6	1	5.39	5.26	4	6	8	1	24.42	24.24
4	3	-5	1	15.36	15.77	4	6	9	1	9.25	8.71
4	3	-4	1	24.03	23.83	4	7	-2	1	15.32	15.19
4	3	-3	1	16.02	16.51	4	7	-1	1	6.82	7.65
4	3	-2	1	32.65	33.51	4	7	0	1	9.09	8.94
4	3	-1	1	6.02	5.99	4	7	1	1	22.39	21.94
4	3	0	1	6.10	5.79	4	7	2	1	20.77	20.96
4	3	1	1	50.64	49.84	4	7	3	1	12.00	11.92
4	3	2	1	58.13	59.14	4	7	4	1	19.43	19.48
4	3	3	1	16.43	17.09	4	7	5	1	9.13	8.98
4	3	4	1	12.28	12.16	4	7	6	1	8.57	8.69
4	3	5	1	8.12	8.21	4	7	7	1	11.20	11.00
4	3	6	1	2.39	.82	4	7	8	1	8.45	7.64
4	3	7	1	13.28	13.40	4	7	9	1	5.70	4.62
4	3	8	1	21.38	21.37	4	8	0	1	13.29	12.99
4	3	9	1	12.98	12.96	4	8	1	1	24.94	25.50
4	4	-5	1	14.69	14.44	4	8	2	1	20.24	20.37
4	4	-4	1	21.17	21.38	4	8	3	1	16.38	16.60
4	4	-3	1	14.20	13.99	4	8	4	1	22.03	22.22
4	4	-2	1	34.01	34.72	4	8	5	1	39.78	39.79

FC

H	K	L	GRP	FO	FC
4	8	6	1	7.17	7.03
4	8	7	1	14.47	14.05
4	8	8	1	25.58	25.14
4	9	2	1	23.75	23.44
4	9	3	1	4.26	4.93
4	9	4	1	12.72	11.99
4	9	5	1	3.22	4.01
4	9	6	1	4.19	3.78
4	9	7	1	9.85	9.74
5	-9	-6	1	12.80	12.53
5	-9	-5	1	16.57	16.50
5	-9	-4	1	4.55	3.82
5	-9	-3	1	6.49	6.12
5	-9	-2	1	24.71	24.49
5	-8	-7	1	4.99	4.34
5	-8	-6	1	8.60	9.08
5	-8	-5	1	19.51	19.42
5	-8	-4	1	22.28	22.34
5	-8	-3	1	7.54	7.39
5	-8	-2	1	12.16	12.26
5	-8	-1	1	11.50	11.28
5	-8	0	1	1.43	.40
5	-7	-8	1	22.85	22.49
5	-7	-7	1	23.25	22.10
5	-7	-6	1	7.39	7.72
5	-7	-5	1	22.95	22.35
5	-7	-4	1	16.07	16.22
5	-7	-3	1	5.66	5.09
5	-7	-2	1	32.84	32.75
5	-7	-1	1	9.57	9.22
5	-7	0	1	13.97	13.85
5	-7	1	1	16.70	16.50
5	-7	2	1	2.50	2.86
5	-6	-8	1	44.01	43.50
5	-6	-7	1	7.98	7.57
5	-6	-6	1	10.37	10.65
5	-6	-5	1	17.42	17.02
5	-6	-4	1	17.14	17.03
5	-6	-3	1	4.81	4.40
5	-6	-2	1	28.61	29.29
5	-6	-1	1	5.30	6.01
5	-6	0	1	9.54	9.22
5	-6	1	1	31.83	31.77
5	-6	2	1	1.37	1.30
5	-6	3	1	6.37	6.62
5	-5	-8	1	12.65	12.56
5	-5	-7	1	13.53	13.74
5	-5	-6	1	5.70	5.82
5	-5	-5	1	34.22	35.09
5	-5	-4	1	36.73	36.61
5	-5	-3	1	9.56	9.61
5	-5	-2	1	42.27	42.39
5	-5	-1	1	20.76	20.90
5	-5	0	1	6.54	6.79
5	-5	1	1	21.22	20.54
5	-5	2	1	5.58	5.29

FC

H	K	L	GRP	FO	FC
5	-5	3	1	3.02	2.16
5	-5	4	1	36.65	36.50
5	-4	-8	1	45.61	45.97
5	-4	-7	1	9.56	9.59
5	-4	-6	1	1.22	2.48
5	-4	-5	1	28.34	28.87
5	-4	-4	1	5.45	5.58
5	-4	-3	1	12.30	12.28
5	-4	-2	1	60.47	60.91
5	-4	-1	1	23.35	23.30
5	-4	0	1	27.44	27.22
5	-4	1	1	46.06	46.38
5	-4	2	1	21.22	21.85
5	-4	3	1	10.87	10.35
5	-4	4	1	4.16	3.03
5	-4	5	1	13.45	13.13
5	-3	-8	1	1.95	2.40
5	-3	-7	1	9.57	9.44
5	-3	-6	1	2.57	2.58
5	-3	-5	1	28.70	29.44
5	-3	-4	1	10.98	11.12
5	-3	-3	1	21.93	22.42
5	-3	-2	1	45.48	45.16
5	-3	-1	1	51.28	51.17
5	-3	0	1	7.04	7.62
5	-3	1	1	51.41	51.36
5	-3	2	1	5.32	5.32
5	-3	3	1	10.64	10.71
5	-3	4	1	34.01	34.13
5	-3	5	1	14.87	14.75
5	-3	6	1	4.99	4.13
5	-2	-8	1	36.77	36.58
5	-2	-7	1	8.50	8.76
5	-2	-6	1	7.31	7.34
5	-2	-5	1	26.22	26.37
5	-2	-4	1	4.82	4.58
5	-2	-3	1	44.89	45.84
5	-2	-2	1	89.84	93.23
5	-2	-1	1	35.41	35.63
5	-2	0	1	13.44	13.29
5	-2	1	1	45.20	45.36
5	-2	2	1	16.67	16.69
5	-2	3	1	16.14	16.65
5	-2	4	1	25.34	25.29
5	-2	5	1	9.01	8.43
5	-2	6	1	9.87	10.07
5	-2	7	1	27.68	27.51
5	-1	-8	1	9.54	9.56
5	-1	-7	1	7.46	7.71
5	-1	-6	1	13.88	13.92
5	-1	-5	1	20.12	20.55
5	-1	-4	1	15.76	15.86
5	-1	-3	1	47.87	49.36
5	-1	-2	1	59.07	60.18
5	-1	-1	1	19.18	20.18
5	-1	0	1	17.75	16.48

H	K	L	GRP	FO	FC	H	K	L	GRP	FO	FC	
5	-1	1	1	41.33	41.53	5	3	-5	1	19.31	19.11	
5	-1	2	1	46.33	45.61	5	3	-4	1	12.10	11.93	
5	-1	3	1	5.91	6.34	5	3	-3	1	13.27	13.26	
5	-1	4	1	46.04	46.31	5	3	-2	1	18.89	18.51	
5	-1	5	1	27.27	27.25	5	3	-1	1	15.81	15.48	
5	-1	6	1	11.81	12.04	5	3	0	1	13.17	13.65	
5	-1	7	1	27.18	27.09	5	3	1	1	30.47	31.21	
5	0	-7	1	12.54	12.32	5	3	2	1	32.48	32.77	
5	0	-6	1	17.79	18.47	5	3	3	1	16.73	16.51	
5	0	-5	1	24.88	24.82	5	3	4	1	33.94	33.83	
5	0	-4	1	10.79	10.83	5	3	5	1	20.00	19.59	
5	0	-3	1	25.87	26.06	5	3	6	1	L	1.13	.68
5	0	-2	1	82.88	86.90	5	3	7	1	14.17	14.16	
5	0	-1	1	16.31	16.76	5	3	8	1	14.58	14.03	
5	0	0	1	2.62	2.35	5	3	9	1	10.81	10.60	
5	0	1	1	61.99	62.40	5	4	-5	1	15.12	15.04	
5	0	2	1	23.16	22.72	5	4	-4	1	10.89	10.69	
5	0	3	1	15.35	14.85	5	4	-3	1	15.30	14.86	
5	0	4	1	41.48	40.79	5	4	-2	1	12.91	13.03	
5	0	5	1	10.41	10.41	5	4	-1	1	13.69	13.72	
5	0	6	1	10.72	10.52	5	4	0	1	41.13	41.59	
5	0	7	1	27.49	27.23	5	4	1	1	44.36	45.10	
5	0	8	1	3.71	2.62	5	4	2	1	7.87	7.83	
5	1	-7	1	6.03	5.63	5	4	3	1	10.21	10.51	
5	1	-6	1	14.17	14.29	5	4	4	1	31.07	31.33	
5	1	-5	1	10.70	10.72	5	4	5	1	32.33	32.26	
5	1	-4	1	25.17	26.40	5	4	6	1	13.73	13.89	
5	1	-3	1	11.72	11.98	5	4	7	1	30.91	30.24	
5	1	-2	1	42.89	43.52	5	4	8	1	L	1.35	1.19
5	1	-1	1	26.41	26.79	5	4	9	1	7.46	7.19	
5	1	0	1	21.30	21.04	5	5	-4	1	14.33	13.79	
5	1	1	1	61.18	62.02	5	5	-3	1	12.61	13.13	
5	1	2	1	2.22	2.17	5	5	-2	1	19.66	19.67	
5	1	3	1	29.85	29.62	5	5	-1	1	8.59	8.66	
5	1	4	1	41.24	40.86	5	5	0	1	19.01	19.05	
5	1	5	1	37.99	38.88	5	5	1	1	32.63	33.63	
5	1	6	1	7.35	7.01	5	5	2	1	2.37	1.43	
5	1	7	1	32.72	32.75	5	5	3	1	26.83	27.48	
5	1	8	1	17.29	17.44	5	5	4	1	31.88	32.32	
5	2	-6	1	21.27	20.82	5	5	5	1	9.06	8.86	
5	2	-5	1	12.05	11.81	5	5	6	1	8.95	9.34	
5	2	-4	1	7.80	7.74	5	5	7	1	17.18	17.11	
5	2	-3	1	10.44	10.75	5	5	8	1	12.11	12.20	
5	2	-2	1	54.09	55.17	5	5	9	1	9.09	9.21	
5	2	-1	1	36.56	35.99	5	6	-3	1	10.21	10.05	
5	2	0	1	16.60	16.90	5	6	-2	1	12.26	12.91	
5	2	1	1	28.51	30.13	5	6	-1	1	10.71	10.00	
5	2	2	1	22.85	21.77	5	6	0	1	21.81	21.90	
5	2	3	1	34.39	32.49	5	6	1	1	25.29	25.58	
5	2	4	1	53.30	53.88	5	6	2	1	16.38	16.32	
5	2	5	1	21.42	21.45	5	6	3	1	8.27	8.62	
5	2	6	1	12.19	12.36	5	6	4	1	18.67	18.60	
5	2	7	1	32.30	32.09	5	6	5	1	18.90	19.34	
5	2	8	1	4.51	4.31	5	6	6	1	13.40	13.49	
5	2	9	1	L	3.11	3.44	5	6	7	1	35.48	34.91
5	3	-6	1	23.15	22.87	5	6	8	1	L	1.35	2.57



FC

H	K	L	GRP	FD	FC
5	6	9	1	13.42	13.15
5	7	-2	1	16.61	16.50
5	7	-1	1	7.19	7.13
5	7	0	1	29.82	29.60
5	7	1	1	27.74	28.09
5	7	2	1	7.45	7.77
5	7	3	1	26.67	26.86
5	7	4	1	22.84	23.41
5	7	5	1	5.45	5.33
5	7	6	1	25.40	25.24
5	7	7	1	13.12	13.07
5	7	8	1	8.09	7.43
5	7	9	1	3.54	3.89
5	8	0	1	5.81	6.36
5	8	1	1	13.01	12.84
5	8	2	1	11.45	11.21
5	8	3	1	12.63	11.98
5	8	4	1	9.05	9.28
5	8	5	1	14.59	14.91
5	8	6	1	24.88	24.87
5	8	7	1	27.88	27.85
5	8	8	1	3.62	2.38
5	9	2	1	17.69	17.73
5	9	3	1	17.77	17.60
5	9	4	1	27.89	28.01
5	9	5	1	5.91	6.04
5	9	6	1	19.04	19.25
5	9	7	1	21.61	21.71
6	-9	-5	1	5.69	5.12
6	-9	-4	1	12.29	12.58
6	-9	-3	1	13.54	13.05
6	-9	-2	1	26.92	26.16
6	-8	-7	1	9.59	9.19
6	-8	-6	1	17.45	17.25
6	-8	-5	1	4.22	3.51
6	-8	-4	1	4.51	4.29
6	-8	-3	1	24.20	24.09
6	-8	-2	1	6.67	5.99
6	-8	-1	1	6.99	6.51
6	-8	0	1	18.17	17.93
6	-7	-8	1	23.65	23.86
6	-7	-7	1	15.68	15.06
6	-7	-6	1	15.29	15.20
6	-7	-5	1	9.56	9.19
6	-7	-4	1	11.07	10.90
6	-7	-3	1	12.81	12.92
6	-7	-2	1	18.22	18.30
6	-7	-1	1	3.13	3.03
6	-7	0	1	12.50	12.65
6	-7	1	1	25.47	25.71
6	-7	2	1	12.95	12.76
6	-6	-8	1	12.83	12.83
6	-6	-7	1	13.66	13.79
6	-6	-6	1	24.77	24.73
6	-6	-5	1	16.39	16.20
6	-6	-4	1	4.70	4.93

FC

H	K	L	GRP	FD	FC
6	-6	-3	1	36.80	36.83
6	-6	-2	1	26.13	26.64
6	-6	-1	1	10.73	10.87
6	-6	0	1	21.32	21.56
6	-6	1	1	14.09	14.19
6	-6	2	1	6.18	6.02
6	-6	3	1	13.64	13.92
6	-5	-8	1	16.52	16.72
6	-5	-7	1	19.95	20.29
6	-5	-6	1	14.57	14.66
6	-5	-5	1	14.32	14.54
6	-5	-4	1	17.47	17.36
6	-5	-3	1	11.33	10.50
6	-5	-2	1	29.62	29.53
6	-5	-1	1	14.07	14.01
6	-5	0	1	11.49	11.83
6	-5	1	1	14.93	15.23
6	-5	2	1	11.58	11.60
6	-5	3	1	7.45	7.81
6	-5	4	1	9.86	9.25
6	-4	-8	1	2.24	3.30
6	-4	-7	1	16.68	17.28
6	-4	-6	1	50.93	53.25
6	-4	-5	1	22.75	22.96
6	-4	-4	1	6.05	6.43
6	-4	-3	1	29.37	28.51
6	-4	-2	1	17.23	17.43
6	-4	-1	1	18.45	18.28
6	-4	0	1	16.50	16.23
6	-4	1	1	39.00	39.04
6	-4	2	1	6.22	5.40
6	-4	3	1	28.01	27.53
6	-4	4	1	4.98	5.94
6	-4	5	1	6.03	5.66
6	-3	-8	1	13.11	12.96
6	-3	-7	1	17.04	17.64
6	-3	-6	1	24.96	25.78
6	-3	-5	1	5.00	5.28
6	-3	-4	1	17.10	16.80
6	-3	-3	1	8.26	8.10
6	-3	-2	1	31.90	31.59
6	-3	-1	1	43.13	43.66
6	-3	0	1	17.30	17.31
6	-3	1	1	11.79	12.02
6	-3	2	1	14.20	14.34
6	-3	3	1	7.51	7.65
6	-3	4	1	6.94	7.15
6	-3	5	1	4.59	3.95
6	-3	6	1	11.57	11.48
6	-2	-8	1	16.03	15.44
6	-2	-7	1	22.86	23.15
6	-2	-6	1	43.50	44.82
6	-2	-5	1	4.88	4.52
6	-2	-4	1	5.05	3.88
6	-2	-3	1	41.74	41.17
6	-2	-2	1	6.11	5.04

H	K	L	GRP	FO	FC	H	K	L	GRP	FO	FC
6	-2	-1	1	34.94	35.37	6	2	-6	1	16.43	16.17
6	-2	0	1	70.40	73.01	6	2	-5	1	4.53	4.03
6	-2	1	1	56.73	56.71	6	2	-4	1	13.70	13.74
6	-2	2	1	1.18	2.00	6	2	-3	1	7.18	6.70
6	-2	3	1	33.77	33.02	6	2	-2	1	18.16	18.13
6	-2	4	1	26.88	27.33	6	2	-1	1	56.65	57.47
6	-2	5	1	3.27	2.50	6	2	0	1	65.30	67.67
6	-2	6	1	21.56	21.22	6	2	1	1	3.00	2.86
6	-2	7	1	14.07	13.82	6	2	2	1	20.72	20.85
6	-1	-8	1	13.43	13.57	6	2	3	1	48.34	47.39
6	-1	-7	1	14.91	15.18	6	2	4	1	2.64	2.24
6	-1	-6	1	19.63	19.48	6	2	5	1	17.25	17.11
6	-1	-5	1	17.38	17.88	6	2	6	1	43.22	43.45
6	-1	-4	1	13.81	13.89	6	2	7	1	18.33	18.31
6	-1	-3	1	9.59	9.14	6	2	8	1	5.07	5.24
6	-1	-2	1	7.74	7.32	6	2	9	1	17.57	17.44
6	-1	-1	1	28.51	29.07	6	3	-6	1	25.43	25.41
6	-1	0	1	67.95	68.02	6	3	-5	1	9.76	9.18
6	-1	1	1	3.62	3.79	6	3	-4	1	20.59	20.79
6	-1	2	1	39.20	39.04	6	3	-3	1	24.46	24.73
6	-1	3	1	5.50	5.19	6	3	-2	1	24.62	24.68
6	-1	4	1	33.21	33.52	6	3	-1	1	26.59	26.56
6	-1	5	1	13.33	13.23	6	3	0	1	9.95	10.58
6	-1	6	1	3.97	3.34	6	3	1	1	33.31	34.03
6	-1	7	1	11.56	11.35	6	3	2	1	51.49	51.60
6	0	-7	1	27.35	26.99	6	3	3	1	7.86	7.90
6	0	-6	1	22.50	22.88	6	3	4	1	8.02	7.76
6	0	-5	1	6.74	7.22	6	3	5	1	17.10	17.05
6	0	-4	1	6.96	6.58	6	3	6	1	28.19	28.70
6	0	-3	1	22.02	21.33	6	3	7	1	20.96	20.81
6	0	-2	1	16.27	16.52	6	3	8	1	14.53	13.94
6	0	-1	1	28.07	29.00	6	3	9	1	11.11	10.79
6	0	1	1	23.50	24.00	6	4	-5	1	4.42	3.24
6	0	2	1	19.64	18.83	6	4	-4	1	11.64	11.30
6	0	3	1	7.43	7.51	6	4	-3	1	15.54	15.84
6	0	4	1	13.54	13.23	6	4	-2	1	13.96	14.19
6	0	5	1	10.51	10.63	6	4	-1	1	27.13	26.83
6	0	6	1	24.23	24.51	6	4	0	1	23.99	23.57
6	0	7	1	22.45	22.02	6	4	1	1	12.03	12.08
6	0	8	1	5.87	5.85	6	4	2	1	10.13	10.00
6	1	-7	1	7.44	7.18	6	4	3	1	5.09	4.58
6	1	-6	1	23.46	23.96	6	4	4	1	12.28	12.18
6	1	-5	1	9.20	9.52	6	4	5	1	35.11	35.52
6	1	-4	1	31.00	31.04	6	4	6	1	52.35	52.99
6	1	-3	1	21.53	21.24	6	4	7	1	20.02	19.62
6	1	-2	1	25.60	26.48	6	4	8	1	3.35	1.41
6	1	-1	1	42.63	43.55	6	4	9	1	30.59	29.39
6	1	0	1	72.71	74.03	6	5	-4	1	19.80	19.47
6	1	1	1	20.47	21.11	6	5	-3	1	21.84	21.50
6	1	2	1	1.41	1.40	6	5	-2	1	17.98	17.48
6	1	3	1	28.25	28.66	6	5	-1	1	8.47	7.88
6	1	4	1	9.85	9.23	6	5	0	1	10.43	10.99
6	1	5	1	27.86	28.64	6	5	1	1	22.70	22.86
6	1	6	1	25.81	26.12	6	5	2	1	17.85	17.71
6	1	7	1	15.18	14.68	6	5	3	1	41.70	42.29
6	1	8	1	18.66	18.62	6	5	4	1	20.20	20.96

H	K	L	GRP	FD	FC
6	5	5	1	14.51	14.81
6	5	6	1	23.09	23.67
6	5	7	1	15.43	14.82
6	5	8	1	16.33	16.03
6	5	9	1	19.29	18.85
6	6	-3	1	15.79	15.48
6	6	-2	1	2.49	2.96
6	6	-1	1	10.40	10.05
6	6	0	1	8.92	9.07
6	6	1	1	5.99	5.30
6	6	2	1	10.88	11.22
6	6	3	1	15.31	16.49
6	6	4	1	11.59	11.76
6	6	5	1	21.73	21.80
6	6	6	1	22.94	22.76
6	6	7	1	11.37	11.15
6	6	8	1	4.03	4.71
6	6	9	1	22.67	22.32
6	7	-2	1	16.52	16.63
6	7	-1	1	7.73	7.30
6	7	0	1	20.48	20.86
6	7	1	1	17.76	17.52
6	7	2	1	15.33	15.86
6	7	3	1	25.43	25.63
6	7	4	1	12.08	12.26
6	7	5	1	5.15	4.56
6	7	6	1	12.23	11.95
6	7	7	1	15.05	14.91
6	7	8	1	27.18	27.09
6	7	9	1	10.32	9.87
6	8	0	1	8.64	8.89
6	8	1	1	8.01	7.97
6	8	2	1	11.50	10.98
6	8	3	1	7.50	8.29
6	8	4	1	4.03	3.53
6	8	5	1	5.39	6.17
6	8	6	1	4.46	4.27
6	8	7	1	8.61	8.60
6	8	8	1	8.31	7.97
6	9	2	1	21.53	21.47
6	9	3	1	12.16	12.34
6	9	4	1	21.14	21.08
6	9	5	1	6.38	6.60
6	9	6	1	8.73	8.88
6	9	7	1	13.92	13.54
7	-9	-5	1	7.44	7.28
7	-9	-4	1	20.47	20.04
7	-9	-3	1	9.43	9.19
7	-8	-7	1	27.80	27.28
7	-8	-6	1	23.47	22.84
7	-8	-5	1	9.15	8.96
7	-8	-4	1	16.82	17.06
7	-8	-3	1	21.37	21.63
7	-8	-2	1	5.34	5.79
7	-8	-1	1	17.57	17.66
7	-8	0	1	10.72	11.33

H	K	L	GRP	FD	FC
7	-7	-7	1	12.52	12.56
7	-7	-6	1	11.17	11.27
7	-7	-5	1	10.04	10.50
7	-7	-4	1	26.22	26.08
7	-7	-3	1	15.83	15.57
7	-7	-2	1	13.74	13.64
7	-7	-1	1	6.28	6.10
7	-7	0	1	18.79	18.61
7	-7	1	1	4.94	4.22
7	-7	2	1	10.10	10.28
7	-6	-8	1	9.32	9.51
7	-6	-7	1	31.36	31.55
7	-6	-6	1	18.47	18.39
7	-6	-5	1	15.37	15.12
7	-6	-4	1	7.07	6.13
7	-6	-3	1	17.87	17.86
7	-6	-2	1	6.27	6.36
7	-6	-1	1	43.97	44.07
7	-6	0	1	22.70	22.40
7	-6	1	1	12.73	13.04
7	-6	2	1	13.50	13.65
7	-6	3	1	6.37	6.92
7	-5	-8	1	13.29	13.37
7	-5	-7	1	17.22	16.62
7	-5	-6	1	10.93	10.61
7	-5	-5	1	22.01	22.21
7	-5	-4	1	39.94	39.53
7	-5	-3	1	10.67	10.73
7	-5	-2	1	4.33	4.88
7	-5	-1	1	9.56	10.40
7	-5	0	1	15.55	15.33
7	-5	1	1	5.16	5.09
7	-5	2	1	22.12	21.90
7	-5	3	1	12.24	12.38
7	-5	4	1	21.58	21.65
7	-4	-8	1	3.24	3.17
7	-4	-7	1	32.30	33.26
7	-4	-6	1	5.33	5.41
7	-4	-5	1	29.55	30.21
7	-4	-4	1	52.17	52.50
7	-4	-3	1	13.00	13.22
7	-4	-2	1	11.52	11.68
7	-4	-1	1	60.48	61.48
7	-4	0	1	24.10	24.30
7	-4	1	1	12.68	12.87
7	-4	2	1	21.14	21.39
7	-4	3	1	3.15	3.99
7	-4	4	1	4.42	3.86
7	-4	5	1	21.06	21.02
7	-3	-8	1	16.56	16.78
7	-3	-7	1	27.64	28.51
7	-3	-6	1	7.13	7.08
7	-3	-5	1	20.29	20.57
7	-3	-4	1	75.98	78.56
7	-3	-3	1	5.30	5.76
7	-3	-2	1	18.74	18.76

FC

FC

H	K	L	GRP	FO	FC	H	K	L	GRP	FO	FC
7	-3	-1	1	32.48	31.25	7	1	-7	1	26.16	26.75
7	-3	0	1	26.11	26.05	7	1	-6	1	5.75	4.97
7	-3	1	1	23.48	23.35	7	1	-5	1	21.64	21.58
7	-3	2	1	55.89	56.66	7	1	-4	1	40.31	41.56
7	-3	3	1	24.81	24.57	7	1	-3	1	8.63	8.39
7	-3	4	1	11.15	11.12	7	1	-2	1	25.41	25.37
7	-3	5	1	12.75	12.92	7	1	-1	1	104.39	108.72
7	-3	6	1	14.48	14.50	7	1	0	1	9.50	9.57
7	-2	-8	1	6.72	6.53	7	1	1	1	40.00	40.79
7	-2	-7	1	29.35	28.90	7	1	2	1	128.72	135.90
7	-2	-6	1	14.14	14.33	7	1	3	1	22.15	22.02
7	-2	-5	1	20.29	20.44	7	1	4	1	9.49	9.24
7	-2	-4	1	58.09	57.75	7	1	5	1	43.82	44.45
7	-2	-3	1	24.92	25.25	7	1	6	1	12.07	12.25
7	-2	-2	1	8.17	8.10	7	1	7	1	13.61	13.63
7	-2	-1	1	115.92	120.14	7	1	8	1	34.98	34.98
7	-2	0	1	12.10	12.16	7	2	-6	1	7.56	7.58
7	-2	1	1	41.46	41.91	7	2	-5	1	9.29	9.72
7	-2	2	1	48.03	48.72	7	2	-4	1	5.98	5.20
7	-2	3	1	13.59	13.64	7	2	-3	1	1.14	.91
7	-2	4	1	7.18	7.04	7	2	-2	1	12.10	12.21
7	-2	5	1	35.42	35.60	7	2	-1	1	48.67	49.76
7	-2	6	1	25.63	25.66	7	2	0	1	18.96	19.44
7	-2	7	1	7.00	7.15	7	2	1	1	31.27	32.84
7	-1	-8	1	20.41	20.63	7	2	2	1	89.48	90.26
7	-1	-7	1	30.26	30.52	7	2	3	1	18.41	18.40
7	-1	-6	1	14.56	14.60	7	2	4	1	1.72	2.03
7	-1	-5	1	35.49	36.63	7	2	5	1	86.35	88.91
7	-1	-4	1	80.63	85.46	7	2	6	1	9.15	9.17
7	-1	-3	1	21.26	21.47	7	2	7	1	10.04	10.22
7	-1	-2	1	5.33	5.26	7	2	8	1	21.73	22.29
7	-1	-1	1	81.11	80.06	7	2	9	1	18.12	17.69
7	-1	0	1	17.82	17.18	7	3	-5	1	12.00	11.65
7	-1	1	1	31.93	32.57	7	3	-4	1	29.46	29.21
7	-1	2	1	102.36	104.32	7	3	-3	1	14.19	14.35
7	-1	3	1	11.77	11.79	7	3	-2	1	11.85	11.96
7	-1	4	1	16.55	16.63	7	3	-1	1	57.05	57.38
7	-1	5	1	35.60	36.66	7	3	0	1	20.21	20.75
7	-1	6	1	17.03	16.86	7	3	1	1	63.07	64.10
7	-1	7	1	8.50	8.05	7	3	2	1	108.47	113.36
7	0	-7	1	3.97	3.83	7	3	3	1	10.75	11.18
7	0	-6	1	11.21	11.14	7	3	4	1	7.81	7.65
7	0	-5	1	24.51	24.59	7	3	5	1	75.74	77.85
7	0	-4	1	50.40	51.68	7	3	6	1	3.09	2.53
7	0	-3	1	2.63	1.90	7	3	7	1	21.14	21.39
7	0	-2	1	4.52	4.22	7	3	8	1	45.75	45.60
7	0	-1	1	93.93	95.97	7	3	9	1	14.42	14.21
7	0	0	1	8.98	9.87	7	4	-5	1	6.48	6.04
7	0	1	1	36.58	38.29	7	4	-4	1	14.12	14.02
7	0	2	1	107.33	110.56	7	4	-3	1	7.49	7.48
7	0	3	1	16.39	17.04	7	4	-2	1	14.33	14.71
7	0	4	1	6.28	6.16	7	4	-1	1	16.38	16.65
7	0	5	1	61.09	62.71	7	4	0	1	9.97	10.09
7	0	6	1	8.41	8.34	7	4	1	1	30.56	31.70
7	0	7	1	6.21	6.14	7	4	2	1	38.36	38.27
7	0	8	1	17.38	17.06	7	4	3	1	6.57	6.58

FC

FC

H	K	L	GRP	FO	FC
7	4	4	1	9.23	9.05
7	4	5	1	48.09	49.28
7	4	6	1	4.78	4.45
7	4	7	1	21.81	21.89
7	4	8	1	40.58	40.81
7	4	9	1	15.02	14.87
7	5	-4	1	22.51	21.81
7	5	-3	1	11.40	11.68
7	5	-2	1	9.68	9.54
7	5	-1	1	39.96	39.87
7	5	0	1	11.64	11.55
7	5	1	1	26.58	27.09
7	5	2	1	53.47	55.35
7	5	3	1	1.64	1.92
7	5	4	1	27.49	28.29
7	5	5	1	64.65	66.41
7	5	6	1	9.63	9.54
7	5	7	1	14.00	13.79
7	5	8	1	50.60	49.35
7	5	9	1	14.95	14.70
7	6	-3	1	2.54	3.18
7	6	-2	1	11.47	11.38
7	6	-1	1	6.90	6.65
7	6	0	1	12.40	12.37
7	6	1	1	18.05	18.42
7	6	2	1	13.31	12.99
7	6	3	1	7.87	8.17
7	6	4	1	19.82	20.53
7	6	5	1	35.34	35.89
7	6	6	1	5.15	4.91
7	6	7	1	17.98	17.57
7	6	8	1	16.21	16.27
7	6	9	1	10.11	9.55
7	7	-2	1	6.01	6.38
7	7	-1	1	18.24	18.63
7	7	0	1	5.32	5.17
7	7	1	1	5.72	5.96
7	7	2	1	27.29	27.22
7	7	3	1	11.28	11.38
7	7	4	1	12.06	12.32
7	7	5	1	27.36	27.94
7	7	6	1	6.96	7.48
7	7	7	1	12.02	11.71
7	7	8	1	46.06	44.54
7	7	9	1	11.55	11.32
7	8	0	1	11.67	11.58
7	8	1	1	18.44	18.26
7	8	2	1	9.97	9.45
7	8	3	1	3.23	2.83
7	8	4	1	2.91	1.83
7	8	5	1	11.71	11.66
7	8	6	1	12.69	12.84
7	8	7	1	14.64	14.01
7	8	8	1	7.96	8.25
7	9	2	1	15.05	14.91
7	9	3	1	9.35	9.67

H	K	L	GRP	FO	FC
7	9	4	1	26.14	26.24
7	9	5	1	17.65	18.24
7	9	6	1	6.43	6.39
7	9	7	1	5.88	5.96
8	-9	-4	1	3.45	2.75
8	-8	-6	1	10.44	9.66
8	-8	-5	1	18.64	18.11
8	-8	-4	1	19.11	18.74
8	-8	-3	1	6.41	6.68
8	-8	-2	1	19.18	19.16
8	-8	-1	1	19.51	19.18
8	-8	0	1	11.20	11.50
8	-7	-7	1	9.54	9.48
8	-7	-6	1	7.32	7.09
8	-7	-5	1	22.16	21.95
8	-7	-4	1	11.90	11.85
8	-7	-3	1	17.16	17.08
8	-7	-2	1	18.89	18.72
8	-7	-1	1	12.99	12.67
8	-7	0	1	3.69	3.41
8	-7	1	1	5.02	4.49
8	-7	2	1	15.82	15.80
8	-6	-8	1	5.71	6.59
8	-6	-7	1	12.66	12.81
8	-6	-6	1	12.85	12.68
8	-6	-5	1	16.03	15.93
8	-6	-4	1	16.03	16.01
8	-6	-3	1	13.00	12.99
8	-6	-2	1	21.73	21.56
8	-6	-1	1	28.97	29.28
8	-6	0	1	5.69	5.10
8	-6	1	1	17.83	18.15
8	-6	2	1	18.20	18.06
8	-6	3	1	6.26	5.91
8	-5	-8	1	15.88	16.40
8	-5	-7	1	7.91	7.73
8	-5	-6	1	4.54	5.70
8	-5	-5	1	18.68	18.67
8	-5	-4	1	21.02	20.69
8	-5	-3	1	26.50	26.37
8	-5	-2	1	6.01	5.93
8	-5	-1	1	14.55	15.01
8	-5	0	1	13.18	13.70
8	-5	1	1	18.83	18.80
8	-5	2	1	13.12	13.51
8	-5	3	1	13.48	13.57
8	-5	4	1	19.13	18.78
8	-4	-8	1	10.64	10.88
8	-4	-7	1	8.90	9.34
8	-4	-6	1	9.39	9.68
8	-4	-5	1	15.67	15.83
8	-4	-4	1	16.63	16.43
8	-4	-3	1	19.49	19.20
8	-4	-2	1	15.37	15.68
8	-4	-1	1	8.10	7.95
8	-4	0	1	20.19	20.22

H	K	L	GRP	FO	FC	H	K	L	GRP	FO	FC
8	-4	1	1	43.38	44.65	8	0	-2	1	6.10	6.03
8	-4	2	1	25.48	25.48	8	0	-1	1	5.49	5.29
8	-4	3	1	7.41	7.78	8	0	0	1	9.21	9.29
8	-4	4	1	14.36	13.79	8	0	1	1	6.14	5.21
8	-4	5	1	11.93	12.29	8	0	2	1	30.84	29.98
8	-3	-8	1	24.11	24.39	8	0	3	1	32.33	33.17
8	-3	-7	1	7.73	7.40	8	0	4	1	18.89	19.97
8	-3	-6	1	6.03	6.19	8	0	5	1	14.18	14.46
8	-3	-5	1	18.33	18.43	8	0	6	1	7.22	7.09
8	-3	-4	1	8.22	8.23	8	0	7	1	35.31	35.32
8	-3	-3	1	19.50	19.53	8	0	8	1	14.16	14.44
8	-3	-2	1	34.42	34.54	8	1	-7	1	10.96	10.78
8	-3	-1	1	16.92	16.40	8	1	-6	1	15.16	15.09
8	-3	0	1	10.17	10.28	8	1	-5	1	21.04	20.99
8	-3	1	1	47.22	48.24	8	1	-4	1	16.45	16.26
8	-3	2	1	5.54	5.28	8	1	-3	1	23.88	23.43
8	-3	3	1	25.39	25.78	8	1	-2	1	39.83	40.52
8	-3	4	1	17.62	17.76	8	1	-1	1	18.22	18.17
8	-3	5	1	18.04	18.10	8	1	0	1	29.43	28.71
8	-3	6	1	L 1.48	1.26	8	1	1	1	27.35	28.88
8	-2	-8	1	7.84	7.61	8	1	2	1	5.59	5.95
8	-2	-7	1	4.89	4.62	8	1	3	1	38.27	38.66
8	-2	-6	1	L 1.25	1.22	8	1	4	1	56.89	56.62
8	-2	-5	1	12.17	12.08	8	1	5	1	16.03	15.57
8	-2	-4	1	7.18	6.91	8	1	6	1	7.55	7.49
8	-2	-3	1	35.97	37.04	8	1	7	1	23.64	23.98
8	-2	-2	1	11.28	11.38	8	1	8	1	14.25	14.30
8	-2	-1	1	19.39	19.34	8	2	-6	1	22.32	21.74
8	-2	0	1	11.36	11.55	8	2	-5	1	17.37	17.30
8	-2	1	1	34.36	33.84	8	2	-4	1	4.57	4.14
8	-2	2	1	23.50	24.13	8	2	-3	1	29.12	29.59
8	-2	3	1	14.38	14.44	8	2	-2	1	4.23	4.56
8	-2	4	1	13.66	14.06	8	2	-1	1	11.03	11.04
8	-2	5	1	19.39	19.95	8	2	0	1	6.82	6.58
8	-2	6	1	10.95	11.03	8	2	1	1	9.37	9.25
8	-2	7	1	13.74	13.77	8	2	2	1	29.24	29.09
8	-1	-7	1	7.24	6.68	8	2	3	1	41.74	42.62
8	-1	-6	1	7.59	7.03	8	2	4	1	45.72	46.91
8	-1	-5	1	39.20	39.43	8	2	5	1	6.62	6.17
8	-1	-4	1	8.39	8.58	8	2	6	1	2.67	2.79
8	-1	-3	1	37.13	37.83	8	2	7	1	26.37	26.14
8	-1	-2	1	25.50	25.33	8	2	8	1	7.63	8.00
8	-1	-1	1	3.60	4.15	8	2	9	1	15.72	15.32
8	-1	0	1	13.18	12.72	8	3	-5	1	17.95	17.66
8	-1	1	1	31.82	32.35	8	3	-4	1	7.02	6.89
8	-1	2	1	31.73	31.93	8	3	-3	1	15.87	15.97
8	-1	3	1	19.03	19.29	8	3	-2	1	3.56	2.96
8	-1	4	1	27.78	27.76	8	3	-1	1	13.17	13.06
8	-1	5	1	21.37	21.28	8	3	0	1	17.84	18.65
8	-1	6	1	9.72	9.49	8	3	1	1	59.67	61.17
8	-1	7	1	15.98	15.89	8	3	2	1	27.89	28.35
8	0	-7	1	4.76	4.43	8	3	3	1	37.37	39.05
8	0	-6	1	18.62	18.79	8	3	4	1	57.25	57.62
8	0	-5	1	27.75	27.83	8	3	5	1	6.97	6.90
8	0	-4	1	16.77	16.73	8	3	6	1	2.89	2.79
8	0	-3	1	14.60	14.94	8	3	7	1	26.05	26.13

FC

FC

H	K	L	GRP	FO	FC	H	K	L	GRP	FO	FC
8	3	8	1	11.01	10.76	8	8	1	1	4.87	4.54
8	3	9	1	12.33	12.27	8	8	2	1	7.43	7.20
8	4	-5	1	7.78	6.62	8	8	3	1	19.78	20.15
8	4	-4	1	7.97	7.68	8	8	4	1	13.85	14.01
8	4	-3	1	20.72	20.90	8	8	5	1	4.98	4.89
8	4	-2	1	24.33	24.54	8	8	6	1	19.39	19.53
8	4	-1	1	6.43	7.13	8	8	7	1	9.67	10.03
8	4	0	1	27.11	27.59	8	8	8	1	6.67	5.70
8	4	1	1	28.56	29.27	8	9	2	1	8.50	8.53
8	4	2	1	17.63	17.86	8	9	3	1	2.81	2.74
8	4	3	1	23.04	23.55	8	9	4	1	26.27	26.38
8	4	4	1	14.86	15.40	8	9	5	1	8.26	8.65
8	4	5	1	11.76	12.06	8	9	6	1	8.37	8.56
8	4	6	1	8.75	8.82	8	9	7	1	14.41	14.67
8	4	7	1	14.39	13.97	9	-8	-6	1	19.38	18.65
8	4	8	1	3.08	2.30	9	-8	-5	1	20.96	20.11
8	4	9	1	16.25	15.78	9	-8	-4	1	14.34	14.22
8	5	-4	1	9.23	8.63	9	-8	-3	1	12.30	12.23
8	5	-3	1	14.87	14.68	9	-8	-2	1	5.17	4.60
8	5	-2	1	22.38	22.02	9	-8	-1	1	9.21	8.97
8	5	-1	1	17.32	17.40	9	-8	0	1	24.71	24.94
8	5	0	1	15.69	15.72	9	-7	-7	1	7.06	7.16
8	5	1	1	36.44	37.01	9	-7	-6	1	33.26	32.31
8	5	2	1	15.06	15.27	9	-7	-5	1	13.49	13.53
8	5	3	1	24.92	24.97	9	-7	-4	1	4.93	5.49
8	5	4	1	35.69	36.14	9	-7	-3	1	35.67	35.96
8	5	5	1	7.79	7.67	9	-7	-2	1	15.62	15.52
8	5	6	1	12.28	12.66	9	-7	-1	1	12.55	12.58
8	5	7	1	25.90	25.19	9	-7	0	1	17.71	17.47
8	5	8	1	9.88	9.52	9	-7	1	1	17.01	17.02
8	5	9	1	17.56	17.51	9	-6	-7	1	1.61	2.77
8	6	-3	1	13.23	13.07	9	-6	-6	1	19.22	18.83
8	6	-2	1	13.98	14.08	9	-6	-5	1	9.32	9.39
8	6	-1	1	4.36	4.20	9	-6	-4	1	16.60	16.36
8	6	0	1	7.33	7.69	9	-6	-3	1	17.21	17.53
8	6	1	1	13.98	13.75	9	-6	-2	1	17.20	17.01
8	6	2	1	10.54	10.18	9	-6	-1	1	10.83	10.85
8	6	3	1	37.93	39.22	9	-6	0	1	35.84	36.34
8	6	4	1	7.39	7.39	9	-6	1	1	30.54	30.50
8	6	5	1	10.24	10.39	9	-6	2	1	2.21	2.89
8	6	6	1	7.90	7.69	9	-6	3	1	11.39	11.97
8	6	7	1	11.84	11.81	9	-5	-8	1	9.30	9.52
8	6	8	1	5.46	5.13	9	-5	-7	1	3.76	4.06
8	6	9	1	16.00	15.68	9	-5	-6	1	43.08	43.44
8	7	-1	1	5.34	4.95	9	-5	-5	1	11.17	11.23
8	7	0	1	16.39	16.36	9	-5	-4	1	8.58	8.26
8	7	1	1	20.34	20.43	9	-5	-3	1	57.91	58.19
8	7	2	1	4.63	4.08	9	-5	-2	1	24.76	24.99
8	7	3	1	9.85	9.88	9	-5	-1	1	21.61	21.69
8	7	4	1	18.22	18.72	9	-5	0	1	25.42	25.58
8	7	5	1	13.32	13.72	9	-5	1	1	11.91	11.80
8	7	6	1	18.04	18.25	9	-5	2	1	6.51	6.22
8	7	7	1	29.95	29.87	9	-5	3	1	33.04	32.90
8	7	8	1	7.09	6.97	9	-5	4	1	14.13	13.81
8	7	9	1	22.75	22.36	9	-4	-8	1	4.21	3.12
8	8	0	1	4.56	4.60	9	-4	-7	1	2.77	1.07

FC

FC

H	K	L	GRP	FO	FC	H	K	L	GRP	FO	FC
9	-4	-6	1	15.47	16.02	9	-1	6	1	10.27	11.77
9	-4	-5	1	19.75	19.97	9	-1	7	1	8.73	9.44
9	-4	-4	1	10.71	10.77	9	0	-7	1	4.81	4.37
9	-4	-3	1	20.38	20.06	9	0	-6	1	22.20	22.36
9	-4	-2	1	12.30	12.01	9	0	-5	1	3.70	4.02
9	-4	-1	1	12.33	12.31	9	0	-4	1	14.60	14.61
9	-4	0	1	49.39	50.28	9	0	-3	1	57.87	59.11
9	-4	1	1	25.84	26.30	9	0	-2	1	14.67	14.71
9	-4	2	1	10.99	10.88	9	0	-1	1	19.28	19.15
9	-4	3	1	14.22	14.08	9	0	0	1	59.39	57.37
9	-4	4	1	13.70	13.78	9	0	1	1	15.99	16.14
9	-4	5	1	5.44	5.46	9	0	2	1	25.05	24.47
9	-3	-8	1	6.71	7.82	9	0	3	1	24.74	23.73
9	-3	-7	1	4.17	4.06	9	0	4	1	6.92	7.05
9	-3	-6	1	48.25	51.38	9	0	5	1	17.64	17.68
9	-3	-5	1	14.31	14.38	9	0	6	1	13.52	13.61
9	-3	-4	1	8.98	9.23	9	0	7	1	14.92	15.01
9	-3	-3	1	50.56	50.74	9	0	8	1	7.05	7.46
9	-3	-2	1	12.86	13.05	9	1	-6	1	27.93	27.19
9	-3	-1	1	16.09	16.13	9	1	-5	1	8.11	7.96
9	-3	0	1	40.04	40.38	9	1	-4	1	19.71	19.84
9	-3	1	1	36.54	36.71	9	1	-3	1	21.25	21.34
9	-3	2	1	12.40	12.17	9	1	-2	1	7.09	7.17
9	-3	3	1	56.41	57.17	9	1	-1	1	19.29	19.27
9	-3	4	1	19.52	19.20	9	1	0	1	49.39	48.90
9	-3	5	1	16.81	16.99	9	1	1	1	12.82	12.69
9	-3	6	1	7.00	7.18	9	1	2	1	4.50	4.11
9	-2	-8	1	1.51	2.45	9	1	3	1	36.27	35.53
9	-2	-7	1	3.49	4.09	9	1	4	1	5.97	5.85
9	-2	-6	1	14.16	14.93	9	1	5	1	18.14	17.89
9	-2	-5	1	12.68	13.17	9	1	6	1	12.92	12.94
9	-2	-4	1	6.32	6.09	9	1	7	1	13.62	13.36
9	-2	-3	1	51.82	52.47	9	1	8	1	10.58	10.98
9	-2	-2	1	4.18	3.79	9	2	-6	1	18.39	18.25
9	-2	-1	1	15.98	15.68	9	2	-5	1	13.60	13.84
9	-2	0	1	41.16	40.94	9	2	-4	1	27.58	28.13
9	-2	1	1	15.37	14.95	9	2	-3	1	62.63	63.71
9	-2	2	1	14.68	14.95	9	2	-2	1	9.37	9.87
9	-2	3	1	7.72	7.75	9	2	-1	1	11.05	10.78
9	-2	4	1	20.95	20.83	9	2	0	1	40.56	41.03
9	-2	5	1	3.73	2.53	9	2	1	1	24.43	24.63
9	-2	6	1	24.85	24.97	9	2	2	1	27.85	26.86
9	-2	7	1	19.89	19.63	9	2	3	1	49.18	48.57
9	-1	-7	1	10.87	10.79	9	2	4	1	4.97	4.61
9	-1	-6	1	35.85	36.46	9	2	5	1	14.94	14.45
9	-1	-5	1	12.23	12.66	9	2	6	1	34.78	34.94
9	-1	-4	1	17.04	17.13	9	2	7	1	6.01	5.95
9	-1	-3	1	33.75	34.53	9	2	8	1	7.14	6.78
9	-1	-2	1	7.84	7.59	9	3	-5	1	11.37	11.42
9	-1	-1	1	18.04	17.86	9	3	-4	1	17.27	17.17
9	-1	0	1	38.57	37.68	9	3	-3	1	22.77	23.35
9	-1	1	1	29.33	28.67	9	3	-2	1	6.16	6.41
9	-1	2	1	20.04	19.77	9	3	-1	1	13.31	13.37
9	-1	3	1	56.88	57.30	9	3	0	1	38.29	39.32
9	-1	4	1	23.74	23.93	9	3	1	1	1.00	.71
9	-1	5	1	19.00	19.23	9	3	2	1	27.59	28.15



FC

FC

H	K	L	GRP	FO	FC	H	K	L	GRP	FO	FC
9	3	3	1	45.53	46.11	9	7	9	1	23.41	23.71
9	3	4	1	7.15	7.10	9	8	0	1	20.42	20.45
9	3	5	1	13.45	13.51	9	8	1	1	7.36	7.51
9	3	6	1	10.39	10.11	9	8	2	1	14.03	13.65
9	3	7	1	11.23	11.27	9	8	3	1	28.85	28.96
9	3	8	1	8.72	8.81	9	8	4	1	4.81	4.19
9	3	9	1	21.57	21.70	9	8	5	1	27.86	28.38
9	4	-4	1	24.96	24.91	9	8	6	1	30.66	31.05
9	4	-3	1	34.24	34.01	9	8	7	1	7.26	7.26
9	4	-2	1	3.28	3.11	9	8	8	1	13.00	12.51
9	4	-1	1	27.42	27.71	9	9	2	1	5.34	6.44
9	4	0	1	53.49	54.71	9	9	3	1	11.99	12.65
9	4	1	1	27.30	27.91	9	9	4	1	11.15	11.64
9	4	2	1	21.50	21.91	9	9	5	1	9.67	9.80
9	4	3	1	54.01	55.41	9	9	6	1	5.27	5.37
9	4	4	1	12.22	12.11	9	9	7	1	4.53	4.20
9	4	5	1	23.37	22.81	10	-8	-6	1	10.23	9.93
9	4	6	1	31.39	31.91	10	-8	-5	1	13.92	14.03
9	4	7	1	9.31	9.51	10	-8	-4	1	7.84	8.15
9	4	8	1	2.88	2.71	10	-8	-3	1	17.36	16.67
9	4	9	1	8.57	8.71	10	-8	-2	1	8.71	9.10
9	5	-3	1	11.47	11.01	10	-8	-1	1	19.11	18.96
9	5	-2	1	10.20	10.18	10	-7	-7	1	25.28	24.77
9	5	-1	1	24.29	24.26	10	-7	-6	1	13.81	13.71
9	5	0	1	30.84	31.24	10	-7	-5	1	6.37	6.45
9	5	1	1	17.70	18.04	10	-7	-4	1	31.47	31.47
9	5	2	1	15.56	15.99	10	-7	-3	1	11.45	11.39
9	5	3	1	13.00	12.83	10	-7	-2	1	14.60	14.22
9	5	4	1	8.36	8.16	10	-7	-1	1	26.75	26.92
9	5	5	1	26.84	26.72	10	-7	0	1	11.42	11.14
9	5	6	1	19.33	19.16	10	-7	1	1	1.49	2.01
9	5	7	1	4.62	4.36	10	-6	-7	1	10.85	10.26
9	5	8	1	10.54	10.43	10	-6	-6	1	8.38	8.11
9	5	9	1	15.12	14.92	10	-6	-5	1	11.65	11.14
9	6	-2	1	9.30	9.09	10	-6	-4	1	15.44	15.32
9	6	-1	1	14.84	14.51	10	-6	-3	1	8.89	8.51
9	6	0	1	29.95	29.82	10	-6	-2	1	11.47	11.35
9	6	1	1	9.57	9.76	10	-6	-1	1	13.81	13.48
9	6	2	1	24.39	24.63	10	-6	0	1	7.91	8.19
9	6	3	1	59.06	61.03	10	-6	1	1	18.19	17.98
9	6	4	1	7.90	8.00	10	-6	2	1	4.32	4.23
9	6	5	1	27.90	28.43	10	-6	3	1	13.95	13.87
9	6	6	1	20.43	20.24	10	-5	-7	1	14.10	14.10
9	6	7	1	10.49	10.74	10	-5	-6	1	9.26	9.97
9	6	8	1	8.06	8.10	10	-5	-5	1	4.32	4.12
9	6	9	1	12.84	12.68	10	-5	-4	1	48.10	48.57
9	7	-1	1	19.03	18.67	10	-5	-3	1	12.06	12.46
9	7	0	1	11.96	11.69	10	-5	-2	1	14.80	14.72
9	7	1	1	7.88	8.05	10	-5	-1	1	38.32	38.34
9	7	2	1	18.99	19.27	10	-5	0	1	8.37	8.22
9	7	3	1	15.50	15.61	10	-5	1	1	10.30	10.43
9	7	4	1	6.32	6.29	10	-5	2	1	33.65	33.59
9	7	5	1	12.54	12.62	10	-5	3	1	23.43	23.36
9	7	6	1	12.83	12.33	10	-5	4	1	10.31	9.73
9	7	7	1	12.33	11.89	10	-4	-8	1	3.31	3.07
9	7	8	1	19.39	18.94	10	-4	-7	1	10.01	10.82

FC

H	K	L	GRP	FD	FC
10	-4	-6	1	9.98	9.8
10	-4	-5	1	9.34	9.7
10	-4	-4	1	31.52	31.5
10	-4	-3	1	23.21	22.9
10	-4	-2	1	13.94	13.6
10	-4	-1	1	20.65	20.7
10	-4	0	1	20.75	21.3
10	-4	1	1	15.29	15.1
10	-4	2	1	12.78	12.5
10	-4	3	1	25.68	25.7
10	-4	4	1	8.28	8.2
10	-4	5	1	15.77	15.2
10	-3	-7	1	7.81	7.5
10	-3	-6	1	3.53	3.1
10	-3	-5	1	11.88	12.0
10	-3	-4	1	28.03	28.4
10	-3	-3	1	7.63	7.3
10	-3	-2	1	11.99	12.1
10	-3	-1	1	56.40	56.9
10	-3	0	1	16.91	17.0
10	-3	1	1	6.88	7.5
10	-3	2	1	31.29	30.8
10	-3	3	1	16.79	16.7
10	-3	4	1	6.82	6.5
10	-3	5	1	32.89	32.5
10	-3	6	1	5.40	4.3
10	-2	-7	1	13.63	13.8
10	-2	-6	1	2.86	2.5
10	-2	-5	1	12.04	12.2
10	-2	-4	1	21.35	22.1
10	-2	-3	1	39.41	40.6
10	-2	-2	1	7.92	7.5
10	-2	-1	1	25.86	25.9
10	-2	0	1	13.21	12.4
10	-2	1	1	16.00	16.1
10	-2	2	1	9.63	9.3
10	-2	3	1	21.95	22.4
10	-2	4	1	14.22	14.4
10	-2	5	1	15.60	15.5
10	-2	6	1	33.24	32.8
10	-1	-7	1 L	1.46	1.4
10	-1	-6	1	11.15	11.4
10	-1	-5	1	14.09	14.2
10	-1	-4	1	25.32	25.9
10	-1	-3	1	35.30	35.4
10	-1	-2	1	6.18	6.2
10	-1	-1	1	29.21	28.5
10	-1	0	1	23.96	23.4
10	-1	1	1	16.67	15.8
10	-1	2	1	50.44	51.0
10	-1	3	1	10.68	10.3
10	-1	4	1	16.90	17.2
10	-1	5	1	39.71	39.6
10	-1	6	1	3.26	2.4
10	-1	7	1 L	3.08	4.6
10	0	-7	1	25.99	26.2

FC

H	K	L	GRP	FD	FC
10	0	-6	1	4.87	4.57
10	0	-5	1	13.74	13.62
10	0	-4	1	20.51	20.55
10	0	-3	1	8.34	8.13
10	0	-2	1	8.76	8.76
10	0	-1	1	51.38	50.55
10	0	0	1	3.89	5.00
10	0	1	1	9.06	8.89
10	0	2	1	31.38	30.73
10	0	3	1	29.98	30.69
10	0	4	1	4.58	3.95
10	0	5	1	26.74	27.14
10	0	6	1	14.83	14.67
10	0	7	1	7.68	7.86
10	0	8	1	9.75	10.01
10	1	-6	1	11.09	11.52
10	1	-5	1	10.72	10.86
10	1	-4	1	36.33	36.03
10	1	-3	1	11.86	11.82
10	1	-2	1	24.44	25.17
10	1	-1	1	26.20	25.96
10	1	0	1	24.74	24.46
10	1	1	1	8.78	8.44
10	1	2	1	52.96	52.37
10	1	3	1	23.49	23.51
10	1	4	1	5.76	5.76
10	1	5	1	45.38	45.85
10	1	6	1	7.09	6.97
10	1	7	1	3.20	3.23
10	1	8	1	7.50	6.90
10	2	-6	1	6.61	6.27
10	2	-5	1	10.32	10.41
10	2	-4	1	29.16	29.32
10	2	-3	1	20.43	20.81
10	2	-2	1	25.73	25.48
10	2	-1	1	60.19	61.49
10	2	0	1	5.72	5.55
10	2	1	1	15.63	15.27
10	2	2	1	33.28	33.22
10	2	3	1	21.05	21.26
10	2	4	1	4.02	3.84
10	2	5	1	40.16	39.80
10	2	6	1 L	1.41	2.53
10	2	7	1	8.46	8.69
10	2	8	1	17.44	17.52
10	3	-5	1	23.34	23.20
10	3	-4	1	18.84	18.89
10	3	-3	1	10.65	10.29
10	3	-2	1	30.69	31.00
10	3	-1	1	12.81	12.56
10	3	0	1	15.44	15.56
10	3	1	1	23.82	23.84
10	3	2	1	29.56	29.53
10	3	3	1	22.38	22.58
10	3	4	1	10.45	10.43
10	3	5	1	19.76	20.21

FC

FC

H	K	L	GRP	FD	FC	H	K	L	GRP	FD	FC
10	3	6	1	3.67	3.42	10	8	4	1	18.66	18.86
10	3	7	1	15.65	15.72	10	8	5	1	32.92	34.19
10	3	8	1	11.65	11.31	10	8	6	1	7.71	7.07
10	3	9	1	7.06	7.16	10	8	7	1	5.69	5.30
10	4	-4	1	17.65	17.80	10	8	8	1	13.53	13.20
10	4	-3	1	18.73	18.31	10	9	3	1	6.58	6.11
10	4	-2	1	25.28	25.28	10	9	4	1	21.89	22.14
10	4	-1	1	43.46	43.57	10	9	5	1	11.04	11.09
10	4	0	1	10.09	10.43	10	9	6	1	4.08	3.01
10	4	1	1	16.24	16.46	11	-8	-5	1	20.10	19.98
10	4	2	1	20.16	20.90	11	-8	-4	1	8.71	8.56
10	4	3	1	14.13	14.34	11	-8	-3	1	3.47	3.22
10	4	4	1	7.41	6.94	11	-8	-2	1	5.11	5.07
10	4	5	1	49.60	49.72	11	-8	-1	1	8.91	8.88
10	4	6	1	5.01	5.07	11	-7	-6	1	5.43	5.19
10	4	7	1	17.78	17.49	11	-7	-5	1	18.01	17.84
10	4	8	1	7.36	7.42	11	-7	-4	1	10.79	10.81
10	4	9	1	7.52	7.58	11	-7	-3	1	6.23	5.57
10	5	-3	1	11.81	11.51	11	-7	-2	1	18.48	18.29
10	5	-2	1	30.59	30.40	11	-7	-1	1	12.76	12.82
10	5	-1	1	10.69	10.90	11	-7	0	1	11.25	11.51
10	5	0	1	4.55	4.52	11	-7	1	1	13.87	13.82
10	5	1	1	24.71	24.57	11	-6	-7	1	14.90	15.04
10	5	2	1	26.52	26.11	11	-6	-6	1	8.46	8.60
10	5	3	1	15.88	16.04	11	-6	-5	1	16.23	16.52
10	5	4	1	31.92	32.26	11	-6	-4	1	10.43	10.13
10	5	5	1	18.56	19.27	11	-6	-3	1	7.65	7.10
10	5	6	1	4.43	3.55	11	-6	-2	1	19.74	19.61
10	5	7	1	12.83	12.41	11	-6	-1	1	4.73	5.03
10	5	8	1	6.22	5.79	11	-6	0	1	8.90	9.11
10	5	9	1	5.74	5.80	11	-6	1	1	25.18	24.97
10	6	-2	1	17.36	17.31	11	-6	2	1	11.55	11.96
10	6	-1	1	23.44	23.47	11	-5	-7	1	6.84	7.56
10	6	0	1	15.25	14.70	11	-5	-6	1	4.61	4.44
10	6	1	1	12.08	12.21	11	-5	-5	1	25.45	25.62
10	6	2	1	11.65	11.58	11	-5	-4	1	13.83	14.07
10	6	3	1	19.81	19.93	11	-5	-3	1	10.79	11.11
10	6	4	1	26.59	27.17	11	-5	-2	1	34.70	34.95
10	6	5	1	44.95	45.22	11	-5	-1	1	7.64	7.44
10	6	6	1	5.73	5.61	11	-5	0	1	9.14	9.27
10	6	7	1	6.93	7.11	11	-5	1	1	18.10	18.03
10	6	8	1	18.85	18.99	11	-5	2	1	11.89	11.61
10	6	9	1	6.20	6.03	11	-5	3	1	1.40	.26
10	7	-1	1	17.34	17.02	11	-5	4	1	30.02	29.89
10	7	0	1	9.57	9.60	11	-4	-7	1	8.66	9.30
10	7	1	1	38.29	37.86	11	-4	-6	1	3.49	2.58
10	7	2	1	20.85	20.73	11	-4	-5	1	18.48	18.73
10	7	3	1	13.38	13.40	11	-4	-4	1	11.59	11.57
10	7	4	1	17.48	17.53	11	-4	-3	1	16.21	16.20
10	7	5	1	12.61	12.51	11	-4	-2	1	35.11	35.36
10	7	6	1	3.99	3.67	11	-4	-1	1	15.99	15.62
10	7	7	1	16.29	15.36	11	-4	0	1	25.59	25.92
10	7	8	1	9.72	9.13	11	-4	1	1	27.87	28.20
10	8	1	1	12.15	12.16	11	-4	2	1	5.94	5.90
10	8	2	1	2.24	3.63	11	-4	3	1	11.04	11.12
10	8	3	1	17.78	17.63	11	-4	4	1	5.40	5.43

FC

H	K	L	GRP	FO	FC
11	-4	5	1	15.37	15.73
11	-3	-7	1	7.92	8.17
11	-3	-6	1	2.21	3.17
11	-3	-5	1	21.93	22.11
11	-3	-4	1	3.51	3.36
11	-3	-3	1	17.25	17.62
11	-3	-2	1	33.27	33.53
11	-3	-1	1	22.61	22.45
11	-3	0	1	4.94	5.17
11	-3	1	1	52.92	53.37
11	-3	2	1	6.69	6.88
11	-3	3	1	12.80	12.73
11	-3	4	1	26.64	27.13
11	-3	5	1	10.57	10.59
11	-3	6	1	8.56	8.68
11	-2	-7	1	3.42	3.58
11	-2	-6	1	6.94	7.57
11	-2	-5	1	22.56	22.55
11	-2	-4	1	7.11	7.04
11	-2	-3	1	36.86	37.63
11	-2	-2	1	58.73	59.01
11	-2	-1	1	26.18	25.67
11	-2	0	1	11.23	10.84
11	-2	1	1	30.96	30.23
11	-2	2	1	8.16	8.07
11	-2	3	1	14.24	14.68
11	-2	4	1	27.59	27.38
11	-2	5	1	10.48	10.66
11	-2	6	1	13.50	13.67
11	-1	-7	1	12.55	12.43
11	-1	-6	1	7.71	8.12
11	-1	-5	1	13.53	13.62
11	-1	-4	1	12.05	12.12
11	-1	-3	1	39.55	39.97
11	-1	-2	1	27.33	27.07
11	-1	-1	1	18.46	18.99
11	-1	0	1	20.29	19.79
11	-1	1	1	35.03	33.74
11	-1	2	1	27.64	27.50
11	-1	3	1	9.94	9.73
11	-1	4	1	42.46	42.99
11	-1	5	1	14.71	14.58
11	-1	6	1	10.22	10.11
11	-1	7	1	17.04	17.11
11	0	-6	1	16.24	15.81
11	0	-5	1	30.46	30.32
11	0	-4	1	16.79	16.87
11	0	-3	1	16.78	16.87
11	0	-2	1	60.86	60.99
11	0	-1	1	15.51	15.57
11	0	0	1	4.16	4.47
11	0	1	1	47.68	46.82
11	0	2	1	15.77	15.31
11	0	3	1	20.70	20.40
11	0	4	1	41.15	40.52
11	0	5	1	17.12	16.97

FC

H	K	L	GRP	FO	FC
11	0	6	1	11.11	11.03
11	0	7	1	29.54	29.20
11	0	8	1	7.24	7.28
11	1	-6	1	8.95	8.91
11	1	-5	1	16.74	16.63
11	1	-4	1	15.71	15.75
11	1	-3	1	21.04	21.74
11	1	-2	1	19.61	20.05
11	1	-1	1	18.63	18.89
11	1	0	1	21.67	21.11
11	1	1	1	48.23	48.29
11	1	2	1	3.98	4.51
11	1	3	1	16.15	16.02
11	1	4	1	21.81	21.29
11	1	5	1	23.01	23.00
11	1	6	1	5.25	5.53
11	1	7	1	23.68	23.54
11	1	8	1	12.43	12.81
11	2	-5	1	18.02	17.79
11	2	-4	1	5.72	6.02
11	2	-3	1	8.34	8.36
11	2	-2	1	46.59	45.95
11	2	-1	1	20.81	20.41
11	2	-2	1	46.59	45.95
11	2	-1	1	20.81	20.41
11	2	0	1	21.23	21.30
11	2	1	1	24.13	23.67
11	2	2	1	15.47	15.03
11	2	3	1	17.76	17.37
11	2	4	1	63.82	63.35
11	2	5	1	20.12	19.88
11	2	6	1	3.35	3.54
11	2	7	1	29.97	30.18
11	2	8	1	3.40	3.46
11	3	-5	1	21.99	21.65
11	3	-4	1	12.13	12.14
11	3	-3	1	11.94	11.65
11	3	-2	1	7.50	8.31
11	3	-1	1	13.38	13.34
11	3	0	1	9.79	10.12
11	3	1	1	33.57	33.14
11	3	2	1	18.92	19.40
11	3	3	1	24.93	24.78
11	3	4	1	12.83	12.16
11	3	5	1	19.42	19.38
11	3	6	1	3.22	2.92
11	3	7	1	15.94	15.14
11	3	8	1	7.85	8.16
11	3	9	1	7.85	7.42
11	4	-4	1	4.88	4.29
11	4	-3	1	8.41	7.70
11	4	-2	1	14.36	14.26
11	4	-1	1	14.70	15.00
11	4	0	1	46.28	47.13
11	4	1	1	42.73	43.13
11	4	2	1	6.25	6.18

H	K	L	GRP	FO	FC	H	K	L	GRP	FO	FC
11	4	3	1	8.62	8.43	12	-8	-2	1	8.02	8.06
11	4	4	1	38.60	38.76	12	-7	-6	1	16.07	15.85
11	4	5	1	21.12	21.05	12	-7	-5	1	6.92	6.71
11	4	6	1	7.39	7.46	12	-7	-4	1	7.63	8.38
11	4	7	1	32.46	32.52	12	-7	-3	1	10.81	10.77
11	4	8	1	2.13	.35	12	-7	-2	1	12.90	13.17
11	4	9	1	6.63	7.00	12	-7	-1	1	5.88	5.80
11	5	-3	1	9.78	10.10	12	-7	0	1	5.50	6.26
11	5	-2	1	17.75	17.69	12	-7	1	1	10.12	10.48
11	5	-1	1	11.51	11.80	12	-6	-7	1	17.43	16.91
11	5	0	1	13.28	12.97	12	-6	-6	1	17.28	17.15
11	5	1	1	29.73	29.56	12	-6	-5	1	6.68	6.72
11	5	2	1	7.33	7.69	12	-6	-4	1	7.88	8.33
11	5	3	1	15.45	16.01	12	-6	-3	1	39.88	39.82
11	5	4	1	17.38	17.66	12	-6	-2	1	8.85	8.84
11	5	5	1	11.30	11.33	12	-6	-1	1	6.55	6.88
11	5	6	1	10.56	10.88	12	-6	0	1	21.81	21.62
11	5	7	1	28.57	28.20	12	-6	1	1	9.22	9.01
11	5	8	1	6.00	5.73	12	-6	2	1	8.45	7.97
11	5	9	1	9.06	9.18	12	-5	-7	1	13.13	13.60
11	6	-2	1	8.30	8.70	12	-5	-6	1	17.12	17.07
11	6	-1	1	14.97	14.73	12	-5	-5	1	8.18	8.40
11	6	0	1	22.40	22.46	12	-5	-4	1	6.59	6.48
11	6	1	1	20.64	20.66	12	-5	-3	1	7.94	7.96
11	6	2	1	9.82	10.60	12	-5	-2	1	33.56	34.48
11	6	3	1	25.08	25.46	12	-5	-1	1	16.21	16.29
11	6	4	1	29.57	29.18	12	-5	0	1	14.97	15.01
11	6	5	1	14.69	14.62	12	-5	1	1	4.57	4.84
11	6	6	1	18.80	18.45	12	-5	2	1	8.38	7.92
11	6	7	1	25.78	25.73	12	-5	3	1	14.00	14.68
11	6	8	1	3.52	2.19	12	-5	4	1	1.55	1.55
11	6	9	1	9.65	9.48	12	-4	-7	1	14.98	15.65
11	7	-1	1	12.92	12.52	12	-4	-6	1	36.47	37.79
11	7	0	1	17.20	16.86	12	-4	-5	1	11.55	11.27
11	7	1	1	26.50	26.44	12	-4	-4	1	11.76	11.95
11	7	2	1	12.55	12.87	12	-4	-3	1	46.69	46.53
11	7	3	1	18.88	19.34	12	-4	-2	1	9.72	10.17
11	7	4	1	15.40	15.39	12	-4	-1	1	14.00	14.23
11	7	5	1	8.50	8.17	12	-4	0	1	17.72	17.18
11	7	6	1	12.80	12.47	12	-4	1	1	16.66	16.89
11	7	7	1	27.17	26.80	12	-4	2	1	9.93	9.78
11	7	8	1	2.45	2.88	12	-4	3	1	36.97	37.04
11	8	1	1	14.21	14.38	12	-4	4	1	4.05	4.15
11	8	2	1	5.28	4.82	12	-4	5	1	4.86	4.48
11	8	3	1	14.99	14.73	12	-3	-7	1	16.54	16.93
11	8	4	1	10.82	11.03	12	-3	-6	1	28.33	29.22
11	8	5	1	15.06	15.11	12	-3	-5	1	4.48	4.64
11	8	6	1	38.54	39.08	12	-3	-4	1	11.73	11.46
11	8	7	1	19.06	19.45	12	-3	-3	1	27.96	28.13
11	8	8	1	1.78	.97	12	-3	-2	1	19.64	19.93
11	9	3	1	10.98	11.06	12	-3	-1	1	31.18	30.90
11	9	4	1	22.47	22.90	12	-3	0	1	32.92	32.67
11	9	5	1	10.85	10.56	12	-3	1	1	23.92	24.31
11	9	6	1	7.92	8.44	12	-3	2	1	5.76	5.54
12	-8	-4	1	3.20	2.64	12	-3	3	1	5.17	5.39
12	-8	-3	1	30.40	30.29	12	-3	4	1	12.57	12.69

FC

FC

H	K	L	GRP	FO	FC	H	K	L	GRP	FO	FC
12	-3	5	1	3.86	3.20	12	1	6	1	19.01	19.10
12	-2	-7	1	14.84	14.99	12	1	7	1	13.95	13.60
12	-2	-6	1	27.89	29.54	12	1	8	1	14.46	14.69
12	-2	-5	1	5.00	5.00	12	2	-5	1	5.44	5.18
12	-2	-4	1	6.10	5.75	12	2	-4	1	10.98	11.40
12	-2	-3	1	49.38	50.05	12	2	-3	1	4.15	5.52
12	-2	-2	1	12.26	12.33	12	2	-2	1	8.85	9.01
12	-2	-1	1	28.49	28.79	12	2	-1	1	33.76	33.76
12	-2	0	1	47.77	48.16	12	2	0	1	28.77	28.74
12	-2	1	1	40.79	41.09	12	2	1	1	6.14	5.47
12	-2	2	1	8.79	8.91	12	2	2	1	18.75	18.58
12	-2	3	1	41.49	41.32	12	2	3	1	31.03	29.93
12	-2	4	1	13.69	13.84	12	2	4	1	2.86	3.00
12	-2	5	1	8.23	7.95	12	2	5	1	22.28	22.47
12	-2	6	1	32.93	33.05	12	2	6	1	44.09	43.52
12	-1	-7	1	20.33	20.42	12	2	7	1	13.89	13.63
12	-1	-6	1	19.46	19.90	12	2	8	1	6.00	6.25
12	-1	-5	1	8.68	8.66	12	3	-5	1	9.98	9.51
12	-1	-4	1	7.19	6.27	12	3	-4	1	11.91	11.95
12	-1	-3	1	32.48	33.13	12	3	-3	1	27.73	27.31
12	-1	-2	1	9.84	9.84	12	3	-2	1	25.70	25.67
12	-1	-1	1	26.51	27.35	12	3	-1	1	18.54	18.40
12	-1	0	1	63.86	64.36	12	3	0	1	30.03	30.57
12	-1	1	1	4.95	4.43	12	3	1	1	20.91	20.87
12	-1	2	1	21.62	22.04	12	3	2	1	31.18	30.93
12	-1	3	1	13.31	13.02	12	3	3	1	14.01	13.85
12	-1	4	1	30.80	30.89	12	3	4	1	9.36	9.03
12	-1	5	1	7.14	7.43	12	3	5	1	22.80	22.97
12	-1	6	1	13.34	13.57	12	3	6	1	13.65	14.00
12	-1	7	1	10.23	9.53	12	3	7	1	19.53	19.59
12	0	-6	1	4.68	4.29	12	3	8	1	9.16	9.02
12	0	-5	1	4.27	4.49	12	4	-4	1	4.60	3.88
12	0	-4	1	7.76	7.89	12	4	-3	1	9.32	9.40
12	0	-3	1	32.56	33.26	12	4	-2	1	10.39	9.93
12	0	-2	1	8.25	8.20	12	4	-1	1	18.65	18.33
12	0	-1	1	26.51	27.21	12	4	0	1	15.92	16.00
12	0	0	1	83.89	85.06	12	4	1	1	21.97	22.00
12	0	1	1	26.26	26.60	12	4	2	1	10.88	11.33
12	0	2	1	16.35	16.02	12	4	3	1	10.12	9.79
12	0	3	1	24.27	23.92	12	4	4	1	9.37	9.81
12	0	4	1	9.92	10.10	12	4	5	1	24.75	24.95
12	0	5	1	4.25	3.97	12	4	6	1	45.68	45.42
12	0	6	1	37.23	37.65	12	4	7	1	17.15	17.28
12	0	7	1	12.66	12.26	12	4	8	1	1.37	1.00
12	1	-6	1	16.63	16.57	12	4	9	1	26.17	25.30
12	1	-5	1	3.80	3.61	12	5	-3	1	23.57	23.15
12	1	-4	1	11.54	11.66	12	5	-2	1	7.21	6.81
12	1	-3	1	33.38	33.75	12	5	-1	1	14.26	14.61
12	1	-2	1	23.78	24.04	12	5	0	1	16.89	16.51
12	1	-1	1	32.34	32.74	12	5	1	1	13.78	13.81
12	1	0	1	69.11	70.15	12	5	2	1	8.89	8.47
12	1	1	1	22.75	23.02	12	5	3	1	36.26	36.31
12	1	2	1	2.44	2.88	12	5	4	1	20.05	20.57
12	1	3	1	26.06	25.83	12	5	5	1	10.35	10.39
12	1	4	1	8.60	8.52	12	5	6	1	22.46	22.10
12	1	5	1	23.70	24.52	12	5	7	1	9.84	9.68

FC

FC

H	K	L	GRP	FD	FC	H	K	L	GRP	FD	FC
12	5	8	1	9.35	9.39	13	-5	-2	1	9.83	9.92
12	5	9	1	24.48	23.97	13	-5	-1	1	6.22	5.63
12	6	-2	1	5.23	3.97	13	-5	0	1	12.76	12.63
12	6	-1	1	9.30	9.08	13	-5	1	1	3.61	3.92
12	6	0	1	6.21	6.41	13	-5	2	1	16.69	16.51
12	6	1	1	10.20	10.18	13	-5	3	1	15.10	15.44
12	6	2	1	12.57	12.44	13	-4	-7	1	15.85	16.49
12	6	3	1	8.50	8.35	13	-4	-6	1	5.14	5.72
12	6	4	1	9.25	9.79	13	-4	-5	1	24.17	23.88
12	6	5	1	10.48	11.05	13	-4	-4	1	19.80	20.01
12	6	6	1	24.32	24.77	13	-4	-3	1	9.59	9.76
12	6	7	1	11.40	11.38	13	-4	-2	1	4.85	4.86
12	6	8	1	8.45	8.24	13	-4	-1	1	40.34	40.42
12	6	9	1	14.94	14.44	13	-4	0	1	26.79	26.83
12	7	-1	1	9.66	9.50	13	-4	1	1	21.93	21.99
12	7	0	1	13.49	13.64	13	-4	2	1	16.51	16.17
12	7	1	1	14.78	14.73	13	-4	3	1	10.27	9.58
12	7	2	1	10.99	10.91	13	-4	4	1	9.98	9.55
12	7	3	1	27.43	27.46	13	-3	-7	1	20.77	21.38
12	7	4	1	10.15	9.94	13	-3	-6	1	7.86	8.48
12	7	5	1	9.25	9.15	13	-3	-5	1	17.07	17.34
12	7	6	1	19.71	19.54	13	-3	-4	1	32.91	32.83
12	7	7	1	10.97	10.88	13	-3	-3	1	11.17	11.06
12	7	8	1	21.82	21.85	13	-3	-2	1	19.10	19.52
12	8	1	1	3.21	1.20	13	-3	-1	1	28.35	28.04
12	8	2	1	18.80	18.68	13	-3	0	1	5.29	5.67
12	8	3	1	10.27	10.50	13	-3	1	1	11.68	11.68
12	8	4	1	7.04	7.10	13	-3	2	1	36.03	35.38
12	8	5	1	3.10	2.98	13	-3	3	1	23.60	23.94
12	8	6	1	8.27	8.17	13	-3	4	1	1.38	1.39
12	8	7	1	9.47	8.92	13	-3	5	1	12.80	12.03
12	9	4	1	15.14	15.26	13	-2	-7	1	4.13	5.49
12	9	5	1	6.48	6.78	13	-2	-6	1	13.31	14.78
12	9	6	1	11.30	11.97	13	-2	-5	1	16.18	16.83
13	-8	-3	1	27.54	27.34	13	-2	-4	1	12.37	12.52
13	-7	-6	1	6.38	6.32	13	-2	-3	1	15.13	15.33
13	-7	-5	1	4.43	4.82	13	-2	-2	1	2.18	2.18
13	-7	-4	1	14.57	14.39	13	-2	-1	1	53.06	53.30
13	-7	-3	1	17.56	17.45	13	-2	0	1	17.63	18.13
13	-7	-2	1	6.06	5.94	13	-2	1	1	41.89	42.19
13	-7	-1	1	6.46	7.03	13	-2	2	1	14.95	14.90
13	-7	0	1	11.93	11.96	13	-2	3	1	3.10	2.68
13	-6	-6	1	19.58	19.15	13	-2	4	1	10.74	11.12
13	-6	-5	1	17.26	16.88	13	-2	5	1	14.89	15.15
13	-6	-4	1	4.83	4.26	13	-2	6	1	35.37	35.20
13	-6	-3	1	16.24	15.90	13	-1	-6	1	7.16	7.15
13	-6	-2	1	7.15	6.60	13	-1	-5	1	26.56	27.24
13	-6	-1	1	38.90	39.00	13	-1	-4	1	34.59	35.40
13	-6	0	1	23.12	23.32	13	-1	-3	1	12.84	12.82
13	-6	1	1	5.02	5.50	13	-1	-2	1	8.44	8.20
13	-6	2	1	9.60	9.69	13	-1	-1	1	24.48	24.08
13	-5	-7	1	9.34	9.76	13	-1	0	1	18.30	18.19
13	-5	-6	1	7.33	6.82	13	-1	1	1	19.06	19.26
13	-5	-5	1	15.35	15.38	13	-1	2	1	49.65	49.78
13	-5	-4	1	19.03	18.89	13	-1	3	1	14.58	14.46
13	-5	-3	1	21.66	21.88	13	-1	4	1	15.36	15.62

H	K	L	GRP	FD	FC	H	K	L	GRP	FD	FC
13	-1	5	1	11.84	12.00	13	3	6	1	4.30	3.83
13	-1	6	1	6.01	5.68	13	3	7	1	22.03	22.26
13	-1	7	1	1.51	2.51	13	3	8	1	23.81	23.96
13	0	-6	1	13.24	12.92	13	4	-4	1	12.28	11.69
13	0	-5	1	17.07	17.15	13	4	-3	1	8.12	7.79
13	0	-4	1	11.73	12.09	13	4	-2	1	4.08	4.43
13	0	-3	1	9.34	9.51	13	4	-1	1	5.89	5.94
13	0	-2	1	14.43	14.61	13	4	0	1	14.98	15.00
13	0	-1	1	21.26	20.77	13	4	1	1	16.47	16.42
13	0	0	1	11.46	12.63	13	4	2	1	15.28	15.14
13	0	1	1	40.71	41.87	13	4	3	1	8.95	8.99
13	0	2	1	51.63	51.13	13	4	4	1	15.19	15.44
13	0	3	1	6.11	6.29	13	4	5	1	11.54	11.86
13	0	4	1	12.84	12.99	13	4	6	1	5.87	5.46
13	0	5	1	22.68	23.28	13	4	7	1	22.83	22.83
13	0	6	1	13.58	13.46	13	4	8	1	29.72	29.61
13	0	7	1	10.99	10.88	13	4	9	1	11.98	11.79
13	1	-6	1	3.21	3.81	13	5	-3	1	11.82	11.34
13	1	-5	1	19.91	19.70	13	5	-2	1	13.38	13.57
13	1	-4	1	12.28	11.99	13	5	-1	1	36.03	35.85
13	1	-3	1	6.81	7.18	13	5	0	1	6.44	6.75
13	1	-2	1	17.84	18.52	13	5	1	1	28.65	29.36
13	1	-1	1	46.11	45.30	13	5	2	1	27.34	27.61
13	1	0	1	8.05	8.12	13	5	3	1	10.97	10.94
13	1	1	1	43.28	43.92	13	5	4	1	26.33	26.95
13	1	2	1	36.46	36.69	13	5	5	1	25.83	26.15
13	1	3	1	8.30	8.12	13	5	6	1	5.96	6.52
13	1	4	1	9.56	9.72	13	5	7	1	18.25	17.94
13	1	5	1	5.39	5.21	13	5	8	1	24.07	24.36
13	1	6	1	5.25	5.09	13	5	9	1	11.07	11.26
13	1	7	1	11.33	11.09	13	6	-2	1	6.06	5.67
13	1	8	1	21.09	21.23	13	6	-1	1	4.50	3.36
13	2	-5	1	2.60	1.52	13	6	0	1	9.60	9.37
13	2	-4	1	4.63	4.46	13	6	1	1	4.77	4.64
13	2	-3	1	9.92	9.61	13	6	2	1	21.17	20.84
13	2	-2	1	11.34	11.97	13	6	3	1	5.22	5.47
13	2	-1	1	10.76	11.07	13	6	4	1	13.24	13.37
13	2	0	1	25.36	25.78	13	6	5	1	9.05	8.62
13	2	1	1	14.39	14.92	13	6	6	1	12.49	12.02
13	2	2	1	43.67	43.52	13	6	7	1	13.94	13.29
13	2	3	1	5.73	5.86	13	6	8	1	16.48	15.51
13	2	4	1	1.13	2.03	13	7	0	1	4.93	4.56
13	2	5	1	43.47	44.84	13	7	1	1	19.02	18.97
13	2	6	1	4.20	3.78	13	7	2	1	16.18	15.93
13	2	7	1	15.26	15.04	13	7	3	1	17.44	17.51
13	2	8	1	18.97	18.35	13	7	4	1	4.95	4.62
13	3	-4	1	17.15	17.22	13	7	5	1	8.76	8.52
13	3	-3	1	10.41	10.12	13	7	6	1	1.38	1.05
13	3	-2	1	20.32	20.29	13	7	7	1	14.27	13.68
13	3	-1	1	36.11	36.22	13	7	8	1	28.14	28.34
13	3	0	1	14.11	13.79	13	8	1	1	10.71	10.51
13	3	1	1	57.66	58.34	13	8	2	1	11.89	11.80
13	3	2	1	47.70	47.75	13	8	3	1	4.22	4.18
13	3	3	1	5.44	4.98	13	8	4	1	10.58	10.60
13	3	4	1	10.40	10.47	13	8	5	1	10.23	10.28
13	3	5	1	28.50	29.13	13	8	6	1	18.02	17.97



FC

FC

H	K	L	GRP	FO	FC	H	K	L	GRP	FO	FC
13	8	7	1	5.86	4.95	14	-2	-2	1	21.59	20.64
13	9	5	1	12.51	13.37	14	-2	-1	1	6.55	6.70
14	-7	-5	1	31.08	30.30	14	-2	0	1	10.71	10.82
14	-7	-4	1	10.18	9.80	14	-2	1	1	44.88	44.14
14	-7	-3	1	11.32	11.17	14	-2	2	1	5.49	5.38
14	-7	-2	1	6.16	5.74	14	-2	3	1	19.98	20.15
14	-7	-1	1	3.17	.82	14	-2	4	1	22.61	22.22
14	-7	0	1	1.50	2.51	14	-2	5	1	7.78	7.99
14	-6	-6	1	11.60	11.27	14	-2	6	1	8.75	8.89
14	-6	-5	1	19.39	18.97	14	-1	-6	1	9.67	9.63
14	-6	-4	1	12.20	11.78	14	-1	-5	1	35.90	35.74
14	-6	-3	1	11.13	11.33	14	-1	-4	1	11.11	11.26
14	-6	-2	1	28.03	28.03	14	-1	-3	1	24.08	23.81
14	-6	-1	1	24.20	24.31	14	-1	-2	1	39.98	40.49
14	-6	0	1	6.19	6.34	14	-1	-1	1	5.48	5.86
14	-6	1	1	12.57	12.25	14	-1	0	1	5.00	4.94
14	-6	2	1	9.36	9.62	14	-1	1	1	64.08	65.82
14	-5	-6	1	6.60	6.75	14	-1	2	1	27.34	27.21
14	-5	-5	1	24.33	24.23	14	-1	3	1	16.90	16.94
14	-5	-4	1	14.59	14.44	14	-1	4	1	36.82	37.14
14	-5	-3	1	21.52	21.78	14	-1	5	1	9.23	9.66
14	-5	-2	1	23.72	23.50	14	-1	6	1	8.68	8.65
14	-5	-1	1	1.26	1.01	14	-1	7	1	26.84	26.83
14	-5	0	1	7.20	6.82	14	0	-6	1	18.32	18.14
14	-5	1	1	34.53	34.80	14	0	-5	1	21.20	21.53
14	-5	2	1	16.45	16.30	14	0	-4	1	14.92	14.82
14	-5	3	1	5.59	5.74	14	0	-3	1	17.49	17.48
14	-4	-7	1	5.49	5.65	14	0	-2	1	24.37	24.18
14	-4	-6	1	8.76	8.83	14	0	-1	1	6.76	6.94
14	-4	-5	1	18.58	18.56	14	0	0	1	10.33	10.71
14	-4	-4	1	16.20	16.66	14	0	1	1	45.48	46.28
14	-4	-3	1	13.80	13.54	14	0	2	1	11.75	12.24
14	-4	-2	1	28.43	28.07	14	0	3	1	28.88	29.26
14	-4	-1	1	11.76	11.69	14	0	4	1	39.18	39.08
14	-4	0	1	9.60	9.71	14	0	5	1	14.35	14.06
14	-4	1	1	29.75	30.15	14	0	6	1	5.20	5.50
14	-4	2	1	10.10	10.22	14	0	7	1	25.45	25.19
14	-4	3	1	15.80	15.89	14	1	-5	1	26.57	26.14
14	-4	4	1	23.94	24.02	14	1	-4	1	12.64	12.48
14	-3	-7	1	4.14	3.71	14	1	-3	1	9.23	9.43
14	-3	-6	1	7.22	7.32	14	1	-2	1	38.06	38.25
14	-3	-5	1	27.61	27.70	14	1	-1	1	6.02	5.78
14	-3	-4	1	9.43	9.38	14	1	0	1	22.14	22.41
14	-3	-3	1	18.20	18.37	14	1	1	1	73.76	76.17
14	-3	-2	1	34.36	34.00	14	1	2	1	10.28	10.52
14	-3	-1	1	12.46	12.69	14	1	3	1	27.82	27.88
14	-3	0	1	7.64	7.46	14	1	4	1	60.31	61.64
14	-3	1	1	61.21	62.14	14	1	5	1	2.30	2.62
14	-3	2	1	13.99	13.58	14	1	6	1	8.26	8.33
14	-3	3	1	13.38	13.24	14	1	7	1	41.17	40.15
14	-3	4	1	17.15	17.22	14	1	8	1	11.41	11.81
14	-3	5	1	7.93	7.75	14	2	-5	1	24.75	24.51
14	-2	-6	1	3.49	2.43	14	2	-4	1	7.00	6.66
14	-2	-5	1	17.66	17.75	14	2	-3	1	31.76	32.06
14	-2	-4	1	8.11	8.11	14	2	-2	1	23.26	22.93
14	-2	-3	1	24.21	24.55	14	2	-1	1	8.79	8.90

FC

FC

H	K	L	GRP	FO	FC	H	K	L	GRP	FO	FC	
14	2	0	1	11.70	11.91	14	7	1	1	9.18	9.28	
14	2	1	1	49.74	50.64	14	7	2	1	6.35	6.44	
14	2	2	1	21.90	22.07	14	7	3	1	12.60	12.90	
14	2	3	1	29.39	29.65	14	7	4	1	12.64	12.89	
14	2	4	1	51.38	52.64	14	7	5	1	L	1.84	2.77
14	2	5	1	6.46	6.52	14	7	6	1	10.66	10.85	
14	2	6	1	2.96	1.87	14	7	7	1	23.80	23.50	
14	2	7	1	30.61	30.42	14	7	8	1	5.39	5.65	
14	2	8	1	7.16	6.56	14	8	2	1	4.81	4.59	
14	3	-4	1	3.76	2.76	14	8	3	1	15.09	15.48	
14	3	-3	1	8.60	8.19	14	8	4	1	25.02	24.64	
14	3	-2	1	19.50	19.40	14	8	5	1	5.48	6.50	
14	3	-1	1	10.76	10.73	14	8	6	1	19.77	19.48	
14	3	0	1	3.47	3.13	14	8	7	1	22.60	21.81	
14	3	1	1	68.44	70.25	15	-7	-4	1	5.18	5.17	
14	3	2	1	22.81	23.70	15	-7	-3	1	16.31	16.44	
14	3	3	1	30.07	30.62	15	-7	-2	1	8.35	9.26	
14	3	4	1	61.76	62.55	15	-7	-1	1	12.83	12.64	
14	3	5	1	8.13	8.16	15	-6	-5	1	7.71	7.50	
14	3	6	1	4.39	3.55	15	-6	-4	1	14.38	14.01	
14	3	7	1	37.39	37.21	15	-6	-3	1	7.37	7.00	
14	3	8	1	5.93	5.36	15	-6	-2	1	13.84	13.96	
14	4	-3	1	18.42	18.37	15	-6	-1	1	13.71	13.65	
14	4	-2	1	28.68	28.03	15	-6	0	1	22.22	22.13	
14	4	-1	1	2.93	2.03	15	-6	1	1	24.34	24.30	
14	4	0	1	19.71	19.20	15	-5	-6	1	22.17	22.42	
14	4	1	1	40.78	40.79	15	-5	-5	1	8.19	7.56	
14	4	2	1	15.45	15.20	15	-5	-4	1	9.34	9.01	
14	4	3	1	20.65	20.84	15	-5	-3	1	26.70	27.37	
14	4	4	1	45.78	46.76	15	-5	-2	1	19.97	19.98	
14	4	5	1	4.38	3.93	15	-5	-1	1	15.21	14.95	
14	4	6	1	3.09	4.45	15	-5	0	1	16.14	16.03	
14	4	7	1	21.88	21.57	15	-5	1	1	7.67	7.93	
14	4	8	1	3.63	3.64	15	-5	2	1	L	1.42	1.63
14	5	-2	1	5.98	6.09	15	-5	3	1	19.67	19.62	
14	5	-1	1	14.57	14.05	15	-4	-6	1	16.19	15.93	
14	5	0	1	9.94	10.19	15	-4	-5	1	14.41	14.13	
14	5	1	1	34.31	34.11	15	-4	-4	1	11.84	11.98	
14	5	2	1	14.61	14.58	15	-4	-3	1	5.66	5.62	
14	5	3	1	22.13	22.42	15	-4	-2	1	6.57	5.66	
14	5	4	1	37.31	37.39	15	-4	-1	1	15.75	16.05	
14	5	5	1	4.80	4.80	15	-4	0	1	18.01	18.09	
14	5	6	1	9.28	9.45	15	-4	1	1	13.97	13.82	
14	5	7	1	35.71	34.27	15	-4	2	1	10.50	10.62	
14	5	8	1	6.92	6.38	15	-4	3	1	21.78	21.46	
14	6	-1	1	3.21	1.88	15	-4	4	1	L	2.75	1.95
14	6	0	1	14.43	14.64	15	-3	-6	1	26.44	27.03	
14	6	1	1	30.38	30.03	15	-3	-5	1	9.54	9.52	
14	6	2	1	4.94	4.55	15	-3	-4	1	10.83	10.38	
14	6	3	1	27.52	27.67	15	-3	-3	1	18.42	18.04	
14	6	4	1	29.30	29.32	15	-3	-2	1	11.15	10.75	
14	6	5	1	L	1.76	1.53	15	-3	-1	1	13.93	14.18
14	6	6	1	3.94	4.02	15	-3	0	1	11.41	10.90	
14	6	7	1	28.63	27.99	15	-3	1	1	25.51	26.02	
14	6	8	1	7.44	7.56	15	-3	2	1	5.55	5.80	
14	7	0	1	11.82	11.62	15	-3	3	1	36.75	37.40	

FC

H	K	L	GRP	FO	FC
15	-3	4	1	13.32	13.27
15	-3	5	1	15.61	15.07
15	-2	-6	1	12.26	11.85
15	-2	-5	1	8.11	7.91
15	-2	-4	1	7.42	7.08
15	-2	-3	1	18.70	18.85
15	-2	-2	1	2.28	2.75
15	-2	-1	1	12.73	12.62
15	-2	0	1	3.12	3.56
15	-2	1	1	9.12	9.19
15	-2	2	1	11.84	11.84
15	-2	3	1	9.16	9.26
15	-2	4	1	12.57	12.63
15	-2	5	1	4.10	3.27
15	-2	6	1	22.97	22.89
15	-1	-6	1	16.26	16.18
15	-1	-5	1	6.33	6.42
15	-1	-4	1	12.15	12.23
15	-1	-3	1	10.82	10.48
15	-1	-2	1	9.96	9.95
15	-1	-1	1	9.73	9.31
15	-1	0	1	10.03	9.75
15	-1	1	1	15.43	15.33
15	-1	2	1	20.55	20.51
15	-1	3	1	40.53	41.21
15	-1	4	1	16.72	16.89
15	-1	5	1	20.01	20.29
15	-1	6	1	1.45	2.38
15	0	-6	1	6.04	6.25
15	0	-5	1	5.43	4.97
15	0	-4	1	20.05	19.95
15	0	-3	1	26.83	27.07
15	0	-2	1	15.03	15.26
15	0	-1	1	9.31	9.23
15	0	0	1	18.35	18.23
15	0	1	1	14.43	14.75
15	0	2	1	16.10	16.01
15	0	3	1	14.83	14.74
15	0	4	1	8.38	8.42
15	0	5	1	17.43	17.41
15	0	6	1	16.74	16.86
15	0	7	1	12.44	12.28
15	1	-5	1	8.13	7.78
15	1	-4	1	12.35	12.18
15	1	-3	1	7.43	6.56
15	1	-2	1	9.98	9.38
15	1	-1	1	11.60	11.14
15	1	0	1	21.55	20.73
15	1	1	1	8.40	8.59
15	1	2	1	7.75	7.75
15	1	3	1	28.63	28.48
15	1	4	1	7.46	7.57
15	1	5	1	14.39	14.25
15	1	6	1	9.75	9.71
15	1	7	1	10.14	10.41
15	2	-5	1	14.43	13.73

FC

H	K	L	GRP	FO	FC
15	2	-4	1	25.22	25.01
15	2	-3	1	34.21	33.97
15	2	-2	1	9.71	9.47
15	2	-1	1	10.09	9.94
15	2	0	1	1.73	2.02
15	2	1	1	13.13	13.18
15	2	2	1	13.91	13.98
15	2	3	1	22.94	20.95
15	2	4	1	8.54	8.70
15	2	5	1	13.41	13.14
15	2	6	1	35.70	36.25
15	2	7	1	4.10	3.04
15	2	8	1	8.61	8.20
15	3	-4	1	12.99	12.73
15	3	-3	1	5.58	4.51
15	3	-2	1	6.81	6.59
15	3	-1	1	16.39	16.12
15	3	0	1	11.19	10.57
15	3	1	1	5.53	6.03
15	3	2	1	26.29	26.05
15	3	3	1	31.84	32.23
15	3	4	1	10.49	10.23
15	3	5	1	11.33	11.46
15	3	6	1	5.29	4.90
15	3	7	1	9.68	9.68
15	3	8	1	6.47	6.26
15	4	-3	1	14.38	14.30
15	4	-2	1	8.69	8.20
15	4	-1	1	14.05	13.52
15	4	0	1	14.85	15.00
15	4	1	1	22.99	23.07
15	4	2	1	17.34	17.27
15	4	3	1	26.35	26.68
15	4	4	1	11.59	11.76
15	4	5	1	15.02	15.00
15	4	6	1	29.74	30.44
15	4	7	1	8.26	8.55
15	4	8	1	2.73	3.75
15	5	-2	1	5.32	5.80
15	5	-1	1	22.49	22.02
15	5	0	1	9.31	8.78
15	5	1	1	13.90	13.73
15	5	2	1	13.32	13.39
15	5	3	1	17.69	17.64
15	5	4	1	9.15	9.09
15	5	5	1	24.54	24.38
15	5	6	1	11.88	11.70
15	5	7	1	4.82	5.25
15	5	8	1	4.62	4.24
15	6	-1	1	9.61	9.20
15	6	0	1	16.40	16.32
15	6	1	1	11.29	11.29
15	6	2	1	17.56	17.15
15	6	3	1	34.81	34.79
15	6	4	1	4.96	4.89
15	6	5	1	26.28	26.17

FC

FC

H	K	L	GRP	FO	FC	H	K	L	GRP	FO	FC
15	6	6	1	14.41	14.44	16	-3	2	1	26.13	26.00
15	6	7	1	10.69	10.63	16	-3	3	1	16.27	15.95
15	6	8	1	9.23	9.50	16	-3	4	1	9.07	8.70
15	7	0	1	9.80	9.06	16	-3	5	1	26.62	26.48
15	7	1	1	7.38	7.01	16	-2	-6	1	2.91	2.28
15	7	2	1	10.79	11.01	16	-2	-5	1	10.70	10.76
15	7	3	1	19.62	19.50	16	-2	-4	1	43.00	43.89
15	7	4	1	6.67	6.14	16	-2	-3	1	22.72	22.89
15	7	5	1	6.43	6.31	16	-2	-2	1	7.81	8.10
15	7	6	1	5.31	5.39	16	-2	-1	1	51.51	52.97
15	7	7	1	9.89	9.71	16	-2	0	1	3.38	3.02
15	7	8	1	14.11	13.38	16	-2	1	1	9.98	9.95
15	8	2	1	11.85	11.65	16	-2	2	1	18.91	18.87
15	8	3	1	15.52	15.46	16	-2	3	1	9.02	8.79
15	8	4	1	8.30	8.47	16	-2	4	1	13.39	13.68
15	8	5	1	22.79	22.34	16	-2	5	1	21.96	22.15
15	8	6	1	25.06	25.00	16	-2	6	1	14.86	15.11
15	8	7	1	7.85	7.60	16	-1	-6	1	9.42	9.19
16	-7	-3	1	10.66	10.40	16	-1	-5	1	15.21	15.26
16	-7	-2	1	11.45	11.51	16	-1	-4	1	13.58	13.66
16	-6	-5	1	9.90	9.31	16	-1	-3	1	19.96	19.78
16	-6	-4	1	29.14	29.06	16	-1	-2	1	7.34	7.41
16	-6	-3	1	1.44	1.13	16	-1	-1	1	35.26	36.77
16	-6	-2	1	14.14	14.17	16	-1	0	1	5.22	4.99
16	-6	-1	1	16.38	16.43	16	-1	1	1	12.99	13.07
16	-6	0	1	5.91	5.28	16	-1	2	1	21.83	21.73
16	-6	1	1	19.71	19.67	16	-1	3	1	23.30	23.76
16	-5	-6	1	6.95	7.53	16	-1	4	1	8.86	9.16
16	-5	-5	1	2.58	1.26	16	-1	5	1	30.57	30.57
16	-5	-4	1	29.11	29.00	16	-1	6	1	14.97	14.58
16	-5	-3	1	1.33	.46	16	0	-5	1	8.67	8.95
16	-5	-2	1	5.89	6.16	16	0	-4	1	46.22	45.74
16	-5	-1	1	27.27	27.48	16	0	-3	1	3.03	3.66
16	-5	0	1	15.61	15.58	16	0	-2	1	7.00	6.62
16	-5	1	1	7.38	7.31	16	0	-1	1	41.37	43.30
16	-5	2	1	31.61	31.65	16	0	0	1	6.79	6.95
16	-5	3	1	18.54	19.00	16	0	1	1	3.82	3.29
16	-4	-6	1	5.01	6.11	16	0	2	1	60.05	61.21
16	-4	-5	1	11.74	11.73	16	0	3	1	18.34	18.27
16	-4	-4	1	53.05	51.84	16	0	4	1	10.81	10.82
16	-4	-3	1	15.90	15.63	16	0	5	1	30.13	30.25
16	-4	-2	1	11.49	11.43	16	0	6	1	13.40	13.19
16	-4	-1	1	28.83	28.63	16	0	7	1	7.40	6.78
16	-4	0	1	7.60	7.84	16	1	-5	1	12.66	12.28
16	-4	1	1	16.38	16.48	16	1	-4	1	23.90	23.84
16	-4	2	1	5.16	4.47	16	1	-3	1	10.68	10.63
16	-4	3	1	9.68	9.84	16	1	-2	1	15.10	14.92
16	-4	4	1	7.55	7.06	16	1	-1	1	48.50	49.08
16	-3	-6	1	2.27	2.68	16	1	0	1	12.98	13.18
16	-3	-5	1	10.02	9.50	16	1	1	1	5.04	4.43
16	-3	-4	1	17.28	17.63	16	1	2	1	31.33	31.68
16	-3	-3	1	6.38	6.51	16	1	3	1	15.89	16.05
16	-3	-2	1	2.85	1.66	16	1	4	1	2.91	1.19
16	-3	-1	1	33.45	33.63	16	1	5	1	17.31	16.76
16	-3	0	1	7.61	8.01	16	1	6	1	13.16	13.84
16	-3	1	1	8.77	8.94	16	1	7	1	4.89	4.74

H	K	L	GRP	FO	FC	H	K	L	GRP	FO	FC
16	2	-4	1	34.44	34.04	16	6	6	1	10.33	10.33
16	2	-3	1	12.23	12.02	16	6	7	1	6.34	6.15
16	2	-2	1	22.06	21.80	16	6	8	1	18.81	19.18
16	2	-1	1	40.86	41.70	16	7	1	1	32.42	31.13
16	2	0	1	6.66	6.45	16	7	2	1	22.36	22.21
16	2	1	1	9.34	9.58	16	7	3	1	17.81	17.75
16	2	2	1	54.71	55.79	16	7	4	1	14.13	14.20
16	2	3	1	14.86	14.81	16	7	5	1	19.72	19.75
16	2	4	1	7.36	7.05	16	7	6	1	3.05	2.37
16	2	5	1	37.40	37.23	16	7	7	1	11.47	11.07
16	2	6	1	5.81	5.38	16	8	3	1	11.28	11.14
16	2	7	1	5.04	5.83	16	8	4	1	10.32	10.14
16	2	8	1	16.41	16.71	16	8	5	1	27.31	27.29
16	3	-4	1	22.33	21.59	16	8	6	1	7.78	7.37
16	3	-3	1	14.59	14.43	17	-6	-4	1	9.09	9.14
16	3	-2	1	17.49	17.33	17	-6	-3	1	4.61	4.55
16	3	-1	1	28.63	28.34	17	-6	-2	1	22.61	22.83
16	3	0	1	6.41	6.80	17	-6	-1	1	6.84	6.65
16	3	1	1	2.61	1.39	17	-6	0	1	6.70	6.30
16	3	2	1	14.09	14.22	17	-5	-5	1	15.16	15.44
16	3	3	1	9.35	9.51	17	-5	-4	1	L 2.48	1.67
16	3	4	1	12.48	12.26	17	-5	-3	1	9.77	8.84
16	3	5	1	23.03	23.17	17	-5	-2	1	15.61	15.61
16	3	6	1	5.92	5.18	17	-5	-1	1	9.35	9.04
16	3	7	1	14.48	14.40	17	-5	0	1	13.51	13.83
16	3	8	1	12.73	12.42	17	-5	1	1	11.78	11.91
16	4	-3	1	12.72	12.18	17	-5	2	1	4.76	4.36
16	4	-2	1	27.64	27.27	17	-4	-6	1	L 2.90	1.45
16	4	-1	1	30.87	30.51	17	-4	-5	1	9.95	9.57
16	4	0	1	7.73	7.77	17	-4	-4	1	13.89	14.21
16	4	1	1	7.11	6.81	17	-4	-3	1	14.54	14.33
16	4	2	1	26.56	26.61	17	-4	-2	1	31.00	31.34
16	4	3	1	18.93	18.83	17	-4	-1	1	8.85	9.00
16	4	4	1	17.55	17.92	17	-4	0	1	10.72	11.01
16	4	5	1	29.50	28.96	17	-4	1	1	28.73	28.95
16	4	6	1	12.43	12.62	17	-4	2	1	9.73	10.22
16	4	7	1	15.08	15.08	17	-4	3	1	10.27	10.06
16	4	8	1	17.87	17.73	17	-3	-6	1	L 2.75	2.01
16	5	-2	1	19.43	19.07	17	-3	-5	1	9.08	8.64
16	5	-1	1	18.20	17.55	17	-3	-4	1	L 2.55	2.72
16	5	0	1	5.85	6.54	17	-3	-3	1	13.62	13.35
16	5	1	1	17.27	16.96	17	-3	-2	1	15.55	15.60
16	5	2	1	20.02	19.79	17	-3	-1	1	13.28	13.00
16	5	3	1	7.15	6.83	17	-3	0	1	7.80	7.86
16	5	4	1	21.64	21.60	17	-3	1	1	27.88	27.94
16	5	5	1	21.26	21.24	17	-3	2	1	4.12	4.25
16	5	6	1	L 2.10	1.45	17	-3	3	1	13.09	13.61
16	5	7	1	7.63	8.23	17	-3	4	1	10.34	10.36
16	5	8	1	14.42	14.04	17	-2	-6	1	4.75	5.30
16	6	-1	1	18.93	18.36	17	-2	-5	1	10.99	11.21
16	6	0	1	11.94	11.70	17	-2	-4	1	7.11	6.86
16	6	1	1	5.47	5.30	17	-2	-3	1	26.36	26.76
16	6	2	1	9.91	9.42	17	-2	-2	1	43.16	43.29
16	6	3	1	17.33	17.13	17	-2	-1	1	18.04	18.12
16	6	4	1	23.44	23.64	17	-2	0	1	L 1.21	.45
16	6	5	1	38.46	39.47	17	-2	1	1	23.95	23.92

H	K	L	GRP	FO	FC	H	K	L	GRP	FO	FC
17	-2	2	1	10.64	10.54	17	3	-1	1	16.05	16.25
17	-2	3	1	6.55	6.70	17	3	0	1	18.22	17.96
17	-2	4	1	33.85	34.51	17	3	1	1	24.10	24.34
17	-2	5	1	11.08	10.80	17	3	2	1	8.15	8.37
17	-1	-5	1	2.98	2.22	17	3	3	1	13.29	13.53
17	-1	-4	1	8.40	8.88	17	3	4	1	10.71	11.14
17	-1	-3	1	28.61	28.38	17	3	5	1	15.66	15.78
17	-1	-2	1	18.40	18.67	17	3	6	1	3.07	3.95
17	-1	-1	1	12.62	12.67	17	3	7	1	14.72	14.95
17	-1	0	1	8.36	8.11	17	3	8	1	1.48	1.52
17	-1	1	1	11.00	11.43	17	4	-3	1	12.47	12.32
17	-1	2	1	7.74	7.56	17	4	-2	1	14.58	14.34
17	-1	3	1	19.14	19.42	17	4	-1	1	11.24	11.30
17	-1	4	1	15.38	15.41	17	4	0	1	20.24	20.02
17	-1	5	1	12.56	11.99	17	4	1	1	26.46	26.13
17	-1	6	1	12.89	12.85	17	4	2	1	5.36	5.43
17	0	-5	1	20.01	19.77	17	4	3	1	22.67	22.51
17	0	-4	1	17.58	17.33	17	4	4	1	27.36	27.61
17	0	-3	1	13.55	13.70	17	4	5	1	11.08	11.20
17	0	-2	1	38.92	39.65	17	4	6	1	3.06	3.74
17	0	-1	1	10.59	10.56	17	4	7	1	26.72	26.62
17	0	0	1	5.70	6.53	17	4	8	1	1.48	1.10
17	0	1	1	15.25	15.46	17	5	-2	1	16.57	16.33
17	0	2	1	14.04	13.94	17	5	-1	1	14.82	14.60
17	0	3	1	8.45	8.80	17	5	0	1	28.46	28.49
17	0	4	1	33.60	33.30	17	5	1	1	25.44	25.13
17	0	5	1	13.47	13.45	17	5	2	1	6.75	6.87
17	0	6	1	8.03	8.03	17	5	3	1	7.45	7.31
17	0	7	1	25.41	25.22	17	5	4	1	3.15	2.99
17	1	-5	1	7.81	7.94	17	5	5	1	11.64	11.75
17	1	-4	1	8.81	8.39	17	5	6	1	20.96	20.65
17	1	-3	1	18.76	18.80	17	5	8	1	3.21	2.64
17	1	-2	1	15.40	15.53	17	6	0	1	5.78	5.85
17	1	-1	1	16.42	16.77	17	6	1	1	16.46	16.50
17	1	0	1	9.59	9.87	17	6	2	1	7.83	7.85
17	1	1	1	19.49	19.71	17	6	3	1	15.79	15.09
17	1	2	1	4.58	4.91	17	6	4	1	26.39	25.93
17	1	3	1	15.54	15.46	17	6	5	1	9.95	10.20
17	1	4	1	7.67	7.35	17	6	6	1	12.70	12.32
17	1	5	1	11.78	11.92	17	6	7	1	15.56	15.40
17	1	6	1	10.37	10.28	17	6	8	1	1.49	.80
17	1	7	1	11.08	10.72	17	7	1	1	21.50	21.18
17	2	-4	1	7.59	7.92	17	7	2	1	10.77	10.73
17	2	-3	1	2.68	1.20	17	7	3	1	10.26	9.83
17	2	-2	1	30.58	30.32	17	7	4	1	7.23	7.89
17	2	-1	1	7.94	7.45	17	7	5	1	10.67	10.63
17	2	0	1	7.81	7.87	17	7	6	1	25.31	24.79
17	2	1	1	3.80	4.36	17	7	7	1	22.92	22.50
17	2	2	1	10.66	10.87	17	8	4	1	14.76	15.24
17	2	3	1	15.25	15.00	17	8	5	1	15.17	14.83
17	2	4	1	42.56	42.29	18	-6	-4	1	7.71	7.86
17	2	5	1	16.28	16.41	18	-6	-3	1	23.42	23.59
17	2	6	1	6.49	6.64	18	-6	-2	1	16.84	16.92
17	2	7	1	21.40	21.30	18	-6	-1	1	4.87	3.59
17	3	-3	1	6.54	6.61	18	-6	0	1	16.84	16.67
17	3	-2	1	4.09	4.94	18	-5	-5	1	7.97	8.36

H	K	L	GRP	FO	FC
18	-5	-4	1	4.49	2.60
18	-5	-3	1	7.57	6.88
18	-5	-2	1	11.35	11.06
18	-5	-1	1	11.58	11.04
18	-5	0	1	11.28	11.20
18	-5	1	1	10.56	10.57
18	-5	2	1	4.98	5.32
18	-4	-5	1	7.06	7.84
18	-4	-4	1	14.18	13.96
18	-4	-3	1	24.24	24.21
18	-4	-2	1	8.23	7.86
18	-4	-1	1	13.59	13.61
18	-4	0	1	12.55	12.78
18	-4	1	1 L	2.42	2.34
18	-4	2	1	8.35	7.87
18	-4	3	1	27.95	28.47
18	-3	-5	1	5.34	5.32
18	-3	-4	1	9.12	8.87
18	-3	-3	1	13.90	14.06
18	-3	-2	1	2.74	2.20
18	-3	-1	1	19.97	19.84
18	-3	0	1	26.44	26.05
18	-3	1	1	5.44	5.09
18	-3	2	1	3.32	2.03
18	-3	3	1	4.98	4.61
18	-3	4	1 L	1.73	1.94
18	-2	-5	1	4.21	5.40
18	-2	-4	1	5.70	5.58
18	-2	-3	1	23.96	23.79
18	-2	-2	1	7.86	8.12
18	-2	-1	1	22.93	22.89
18	-2	0	1	35.08	34.77
18	-2	1	1	13.72	13.78
18	-2	2	1	10.26	10.67
18	-2	3	1	26.08	26.56
18	-2	4	1	12.88	13.34
18	-2	5	1	10.00	10.60
18	-1	-5	1	5.95	6.55
18	-1	-4	1	3.41	3.72
18	-1	-3	1	14.83	14.87
18	-1	-2	1	10.04	9.76
18	-1	-1	1	22.24	22.32
18	-1	0	1	39.34	39.41
18	-1	1	1	7.59	7.36
18	-1	2	1	9.63	10.03
18	-1	3	1	3.81	3.42
18	-1	4	1	11.33	11.15
18	-1	5	1	5.53	5.45
18	-1	6	1	7.56	7.07
18	0	-5	1 L	2.87	3.58
18	0	-4	1	11.92	11.76
18	0	-3	1	14.86	14.66
18	0	-2	1	10.59	10.80
18	0	-1	1	21.65	21.82
18	0	0	1	45.98	45.86
18	0	1	1	17.93	18.10

H	K	L	GRP	FO	FC
18	0	2	1	9.16	9.25
18	0	3	1	19.94	20.06
18	0	4	1	7.34	6.91
18	0	5	1	8.86	8.73
18	0	6	1	28.97	28.92
18	1	-4	1 L	1.47	2.81
18	1	-3	1	20.07	20.12
18	1	-2	1	12.55	12.13
18	1	-1	1	24.99	25.28
18	1	0	1	43.03	43.02
18	1	1	1	15.00	14.93
18	1	2	1	4.00	3.91
18	1	3	1	18.21	18.32
18	1	4	1	3.52	3.15
18	1	5	1	17.59	17.35
18	1	6	1	17.83	17.29
18	1	7	1	10.42	10.77
18	2	-4	1	11.23	10.35
18	2	-3	1	3.05	2.49
18	2	-2	1	13.00	13.13
18	2	-1	1	23.99	23.52
18	2	0	1	26.89	26.52
18	2	1	1 L	2.54	2.36
18	2	2	1	15.15	15.00
18	2	3	1	21.51	22.09
18	2	4	1 L	2.38	2.98
18	2	5	1	22.01	22.19
18	2	6	1	38.50	38.58
18	2	7	1	10.98	10.84
18	3	-3	1	22.55	22.23
18	3	-2	1	14.01	13.73
18	3	-1	1	12.73	12.15
18	3	0	1	29.64	29.50
18	3	1	1	11.10	11.27
18	3	2	1	15.00	14.91
18	3	3	1	20.55	20.63
18	3	4	1	6.47	6.52
18	3	5	1	22.08	22.16
18	3	6	1	22.76	22.46
18	3	7	1	15.47	15.05
18	4	-2	1	9.90	10.00
18	4	-1	1	17.12	17.33
18	4	0	1	4.27	3.22
18	4	1	1	13.77	13.92
18	4	2	1	16.23	16.36
18	4	3	1	14.98	15.03
18	4	4	1	10.39	10.90
18	4	5	1	15.34	14.93
18	4	6	1	32.75	33.39
18	4	7	1	12.32	12.82
18	4	8	1	4.16	1.56
18	5	-1	1 L	2.55	2.13
18	5	0	1	20.85	20.26
18	5	1	1	16.14	16.17
18	5	2	1	7.36	7.46
18	5	3	1	28.18	28.44

H	K	L	GRP	FD	FC	H	K	L	GRP	FD	FC
18	5	4	1	11.16	11.12	19	-1	-4	1	29.87	29.06
18	5	5	1	9.21	9.45	19	-1	-3	1	7.91	8.45
18	5	6	1	29.34	28.78	19	-1	-2	1	8.22	7.70
17	5	7	1	23.03	23.23	19	-1	-1	1	24.65	24.37
18	5	8	1	5.21	4.40	19	-1	0	1	15.69	16.02
18	6	0	1	13.38	13.22	19	-1	1	1	17.79	18.00
18	6	1	1	7.54	6.99	19	-1	2	1	48.47	48.02
18	6	2	1	11.23	10.90	19	-1	3	1	4.22	4.18
18	6	3	1	L 2.58	2.15	19	-1	4	1	10.73	10.78
18	6	4	1	11.17	11.41	19	-1	5	1	23.50	24.10
18	6	5	1	13.93	13.83	19	-1	6	1	12.99	12.75
18	6	6	1	18.23	18.58	19	0	-4	1	12.96	12.64
18	6	7	1	9.71	9.81	19	0	-3	1	7.49	7.31
18	7	2	1	15.88	15.59	19	0	-2	1	8.66	9.03
18	7	3	1	25.64	25.64	19	0	-1	1	14.07	13.48
18	7	4	1	4.92	4.28	19	0	0	1	11.62	12.18
18	7	5	1	11.76	10.87	19	0	1	1	30.87	30.71
18	7	6	1	20.51	20.54	19	0	2	1	9.37	8.97
19	-6	-2	1	7.45	7.09	19	0	3	1	13.86	13.99
19	-5	-4	1	21.84	21.27	19	0	4	1	6.78	7.21
19	-5	-3	1	18.34	18.02	19	0	5	1	13.53	13.57
19	-5	-2	1	4.99	5.52	19	0	6	1	13.72	13.43
19	-5	-1	1	15.60	15.25	19	1	-4	1	13.65	13.77
19	-5	0	1	13.88	14.32	19	1	-3	1	9.83	9.80
19	-5	1	1	6.02	5.96	19	1	-2	1	5.57	5.35
19	-4	-5	1	14.93	15.06	19	1	-1	1	26.68	27.06
19	-4	-4	1	7.71	7.70	19	1	0	1	9.44	9.41
19	-4	-3	1	12.23	12.05	19	1	1	1	31.46	32.33
19	-4	-2	1	10.98	10.95	19	1	2	1	43.20	42.91
19	-4	-1	1	28.40	28.42	19	1	3	1	4.41	4.39
19	-4	0	1	14.76	14.47	19	1	4	1	8.57	8.52
19	-4	1	1	11.58	11.44	19	1	5	1	23.45	23.26
19	-4	2	1	21.37	21.53	19	1	6	1	12.24	12.18
19	-4	3	1	L 1.98	.94	19	1	7	1	15.11	14.72
19	-3	-5	1	14.24	13.96	19	2	-3	1	3.94	3.63
19	-3	-4	1	32.00	31.46	19	2	-2	1	8.85	8.24
19	-3	-3	1	12.11	11.67	19	2	-1	1	16.32	15.96
19	-3	-2	1	10.95	10.40	19	2	0	1	19.40	19.10
19	-3	-1	1	28.35	28.47	19	2	1	1	16.16	16.11
19	-3	0	1	5.12	5.55	19	2	2	1	11.12	10.60
19	-3	1	1	15.88	15.86	19	2	3	1	L 1.37	2.65
19	-3	2	1	35.08	35.15	19	2	4	1	L 1.30	2.05
19	-3	3	1	14.87	15.29	19	2	5	1	19.19	19.28
19	-3	4	1	L 2.91	3.66	19	2	6	1	4.76	5.25
19	-2	-5	1	14.65	14.10	19	2	7	1	13.10	12.89
19	-2	-4	1	18.63	17.98	19	3	-3	1	3.89	2.95
19	-2	-3	1	10.07	9.75	19	3	-2	1	5.47	5.35
19	-2	-2	1	5.17	4.98	19	3	-1	1	22.21	22.55
19	-2	-1	1	28.18	28.15	19	3	0	1	11.34	11.38
19	-2	0	1	5.31	4.92	19	3	1	1	26.94	26.96
19	-2	1	1	21.45	20.98	19	3	2	1	42.24	41.84
19	-2	2	1	23.94	23.67	19	3	3	1	10.37	10.09
19	-2	3	1	13.26	13.38	19	3	4	1	4.91	4.55
19	-2	4	1	5.50	6.10	19	3	5	1	12.59	12.63
19	-2	5	1	11.11	11.73	19	3	6	1	5.08	5.09
19	-1	-5	1	17.54	16.97	19	3	7	1	20.20	20.23



FC

FC

H	K	L	GRP	FD	FC	H	K	L	GRP	FD	FC
19	4	-2	1	11.87	11.47	20	-2	2	1	12.03	12.40
19	4	-1	1	9.42	9.59	20	-2	3	1	15.27	15.25
19	4	0	1	9.96	9.59	20	-2	4	1	18.09	17.82
19	4	1	1	13.73	13.42	20	-1	-4	1	11.70	11.37
19	4	2	1	28.47	27.74	20	-1	-3	1	14.69	14.42
19	4	3	1	2.98	3.60	20	-1	-2	1	14.41	13.97
19	4	4	1	6.49	6.27	20	-1	-1	1	L 2.43	2.57
19	4	5	1	14.62	14.48	20	-1	0	1	5.98	4.39
19	4	6	1	12.49	12.51	20	-1	1	1	22.93	23.35
19	4	7	1	21.66	21.38	20	-1	2	1	13.64	13.68
19	5	-1	1	19.31	19.05	20	-1	3	1	12.98	12.97
19	5	0	1	4.56	4.47	20	-1	4	1	17.73	18.06
19	5	1	1	11.73	11.95	20	-1	5	1	5.04	4.85
19	5	2	1	21.42	21.38	20	0	-4	1	7.36	7.38
19	5	3	1	12.36	12.11	20	0	-3	1	15.58	15.73
19	5	4	1	11.60	11.80	20	0	-2	1	6.42	6.59
19	5	5	1	12.56	12.45	20	0	-1	1	L 1.89	3.36
19	5	6	1	6.72	6.60	20	0	0	1	9.78	9.97
19	5	7	1	14.84	14.87	20	0	1	1	9.97	9.94
19	6	1	1	13.30	13.04	20	0	2	1	9.92	10.10
19	6	2	1	20.93	20.97	20	0	3	1	24.92	24.76
19	6	3	1	4.18	4.64	20	0	4	1	21.09	21.61
19	6	4	1	7.71	7.17	20	0	5	1	11.80	11.62
19	6	5	1	18.59	18.12	20	0	6	1	12.19	12.04
19	6	6	1	11.53	11.69	20	1	-4	1	11.49	11.36
19	6	7	1	15.11	15.16	20	1	-3	1	14.68	14.22
19	7	2	1	7.27	7.39	20	1	-2	1	13.09	12.93
19	7	3	1	12.16	11.72	20	1	-1	1	3.54	7.76
19	7	4	1	L 1.46	2.65	20	1	0	1	17.27	17.45
19	7	5	1	4.26	3.84	20	1	1	1	27.28	27.60
19	7	6	1	5.18	5.36	20	1	2	1	11.40	11.27
20	-5	-3	1	17.75	17.59	20	1	3	1	18.30	17.99
20	-5	-2	1	24.97	24.80	20	1	4	1	27.25	27.94
20	-5	-1	1	6.62	6.19	20	1	5	1	L 2.30	1.63
20	-5	0	1	L 2.92	1.37	20	1	6	1	7.08	6.75
20	-4	-4	1	15.12	14.67	20	2	-3	1	27.32	27.03
20	-4	-3	1	12.23	12.38	20	2	-2	1	15.66	15.37
20	-4	-2	1	17.21	16.91	20	2	-1	1	L 1.38	2.15
20	-4	-1	1	12.15	12.26	20	2	0	1	8.35	8.14
20	-4	0	1	14.66	14.56	20	2	1	1	14.26	14.23
20	-4	1	1	12.40	12.67	20	2	2	1	15.06	15.16
20	-4	2	1	15.21	15.58	20	2	3	1	18.56	18.77
20	-3	-4	1	8.34	8.24	20	2	4	1	34.30	34.06
20	-3	-3	1	14.18	13.67	20	2	5	1	3.71	3.75
20	-3	-2	1	14.36	14.35	20	2	6	1	9.99	9.81
20	-3	-1	1	6.10	5.87	20	2	7	1	11.15	11.20
20	-3	0	1	L 1.94	2.75	20	3	-2	1	19.79	19.36
20	-3	1	1	38.20	38.39	20	3	-1	1	10.75	10.60
20	-3	2	1	17.97	17.84	20	3	0	1	8.51	9.05
20	-3	3	1	13.94	13.49	20	3	1	1	23.15	23.06
20	-2	-4	1	7.13	7.15	20	3	2	1	18.94	19.04
20	-2	-3	1	16.02	15.99	20	3	3	1	27.33	27.29
20	-2	-2	1	10.42	10.20	20	3	4	1	28.37	28.69
20	-2	-1	1	3.37	2.66	20	3	5	1	5.27	4.72
20	-2	0	1	15.15	15.03	20	3	6	1	3.81	4.15
20	-2	1	1	14.51	14.63	20	3	7	1	6.09	5.93

FC

FC

H	K	L	GRP	FO	FC	H	K	L	GRP	FO	FC
20	4	-1	1	3.70	2.59	21	-1	1	1	5.72	5.83
20	4	0	1	18.55	18.07	21	-1	2	1	13.59	13.32
20	4	1	1	26.11	25.78	21	-1	3	1	34.11	34.13
20	4	2	1	6.74	6.91	21	-1	4	1	15.06	15.13
20	4	3	1	10.46	10.42	21	-1	5	1	15.22	15.26
20	4	4	1	24.08	23.84	21	0	-3	1	26.75	26.64
20	4	5	1	4.17	3.97	21	0	-2	1	13.36	13.47
20	4	6	1	5.38	4.79	21	0	-1	1	3.34	4.13
20	4	7	1	7.92	6.68	21	0	0	1	23.30	23.39
20	5	0	1	11.63	11.74	21	0	1	1	9.24	9.39
20	5	1	1	11.77	12.16	21	0	2	1	13.62	14.24
20	5	2	1	18.64	18.29	21	0	3	1	21.04	20.99
20	5	3	1	20.37	20.10	21	0	4	1	7.41	7.34
20	5	4	1	13.88	13.78	21	0	5	1	14.65	14.06
20	5	5	1	3.11	2.75	21	1	-3	1	9.93	9.94
20	5	6	1	13.13	13.36	21	1	-2	1	4.63	4.43
20	5	7	1	13.46	13.61	21	1	-1	1	5.37	5.13
20	6	1	1	20.29	20.26	21	1	0	1	26.62	26.59
20	6	2	1	7.47	7.43	21	1	1	1	5.13	5.16
20	6	3	1	24.06	24.01	21	1	2	1	8.00	8.17
20	6	4	1	20.08	19.70	21	1	3	1	25.33	24.83
20	6	5	1	5.85	5.70	21	1	4	1	11.12	10.95
20	6	6	1	14.33	13.90	21	1	5	1	10.77	10.57
20	7	3	1	10.41	10.21	21	1	6	1	23.67	23.93
20	7	4	1	7.43	7.83	21	2	-3	1	29.84	29.61
20	7	5	1	1.51	1.88	21	2	-2	1	9.03	8.41
21	-5	-2	1	20.06	19.92	21	2	-1	1	8.68	9.16
21	-5	-1	1	12.53	11.89	21	2	0	1	22.69	22.14
21	-4	-3	1	13.06	13.09	21	2	1	1	6.21	6.27
21	-4	-2	1	5.69	6.43	21	2	2	1	10.47	10.81
21	-4	-1	1	7.53	7.75	21	2	3	1	26.59	26.32
21	-4	0	1	12.64	12.52	21	2	4	1	10.26	10.26
21	-4	1	1	5.56	6.34	21	2	5	1	10.07	10.13
21	-4	2	1	8.91	8.52	21	2	6	1	44.41	45.12
21	-3	-4	1	10.20	9.72	21	3	-2	1	4.70	5.40
21	-3	-3	1	21.46	21.79	21	3	-1	1	9.25	9.11
21	-3	-2	1	10.56	10.62	21	3	0	1	25.34	25.28
21	-3	-1	1	12.22	11.97	21	3	1	1	7.00	6.88
21	-3	0	1	25.64	25.22	21	3	2	1	15.37	15.39
21	-3	1	1	14.42	14.74	21	3	3	1	15.55	15.22
21	-3	2	1	5.27	3.93	21	3	4	1	8.60	8.93
21	-3	3	1	32.49	32.50	21	3	5	1	7.81	8.07
21	-2	-4	1	6.27	6.00	21	3	6	1	20.57	20.92
21	-2	-3	1	16.96	16.98	21	3	7	1	4.38	4.94
21	-2	-2	1	5.75	4.77	21	4	-1	1	7.68	7.47
21	-2	-1	1	5.92	6.00	21	4	0	1	19.47	18.93
21	-2	0	1	20.13	19.87	21	4	1	1	14.39	14.10
21	-2	1	1	8.88	8.73	21	4	2	1	19.52	19.04
21	-2	2	1	14.14	13.89	21	4	3	1	28.41	28.43
21	-2	3	1	14.59	14.52	21	4	4	1	10.20	10.54
21	-2	4	1	4.08	4.48	21	4	5	1	10.42	10.41
21	-1	-4	1	8.95	9.07	21	4	6	1	42.39	41.93
21	-1	-3	1	17.04	16.77	21	4	7	1	3.58	4.09
21	-1	-2	1	8.19	8.13	21	5	0	1	22.78	22.29
21	-1	-1	1	3.05	4.41	21	5	1	1	6.98	7.38
21	-1	0	1	23.57	23.44	21	5	2	1	9.83	9.53

H	K	L	GRP	FO	FC	H	K	L	GRP	FO	FC		
21	5	3	1	5.71	5.19	22	2	0	1	3.09	3.18		
21	5	4	1	7.10	6.33	22	2	1	1	8.18	7.85		
21	5	5	1	19.56	18.90	22	2	2	1	31.60	31.64		
21	5	6	1	22.41	22.15	22	2	3	1	8.40	8.42		
21	6	2	1	14.62	14.69	22	2	4	1	7.61	7.75		
21	6	3	1	31.61	31.66	22	2	5	1	10.97	11.04		
21	6	4	1	7.93	7.58	22	2	6	1	7.74	6.84		
21	6	5	1	15.77	15.86	22	3	-1	1	5.57	5.93		
21	6	6	1	26.98	27.23	22	3	0	1	6.36	6.10		
22	-4	-2	1	3.35	2.17	22	3	1	1	L	2.59	1.48	
22	-4	-1	1	8.12	7.92	22	3	2	1	L	1.38	.81	
22	-4	0	1	13.66	13.60	22	3	3	1		5.41	5.61	
22	-4	1	1	12.95	12.67	22	3	4	1		15.33	15.13	
22	-3	-3	1	6.60	5.94	22	3	5	1	L	2.00	2.41	
22	-3	-2	1	5.29	4.60	22	3	6	1		5.80	5.16	
22	-3	-1	1	18.48	18.31	22	4	0	1		4.80	3.70	
22	-3	0	1	6.18	5.34	22	4	1	1		9.59	9.37	
22	-3	1	1	7.74	8.36	22	4	2	1		13.97	14.10	
22	-3	2	1	15.50	15.44	22	4	3	1		13.32	13.44	
22	-2	-3	1	12.93	12.82	22	4	4	1		11.69	11.78	
22	-2	-2	1	9.12	9.38	22	4	5	1		14.52	14.26	
22	-2	-1	1	20.93	21.12	22	4	6	1		13.30	13.20	
22	-2	0	1	8.64	8.34	22	5	1	1		10.58	10.30	
22	-2	1	1	7.59	7.46	22	5	2	1		13.33	13.67	
22	-2	2	1	9.57	9.92	22	5	3	1		4.23	4.97	
22	-2	3	1	5.72	5.28	22	5	4	1		22.10	22.01	
22	-2	4	1	3.80	4.22	22	5	5	1		7.16	7.47	
22	-1	-3	1	10.14	9.52	22	5	6	1	L	1.77	1.59	
22	-1	-2	1	6.88	6.43	22	6	3	1		15.70	15.55	
22	-1	-1	1	16.30	16.10	22	6	4	1		8.86	9.37	
22	-1	0	1	L	1.37	1.27	22	6	5	1		26.41	26.31
22	-1	1	1	9.75	9.60	23	-3	-2	1		26.32	25.52	
22	-1	2	1	7.19	7.92	23	-3	-1	1		5.13	4.69	
22	-1	3	1	14.29	14.46	23	-3	0	1		5.96	6.24	
22	-1	4	1	13.14	12.98	23	-3	1	1		7.15	7.36	
22	0	-3	1	3.91	3.34	23	-3	2	1	L	1.53	1.34	
22	0	-2	1	L	2.38	2.00	23	-2	-3	1		19.13	18.80
22	0	-1	1	18.77	18.64	23	-2	-2	1		41.42	41.14	
22	0	0	1	6.91	6.34	23	-2	-1	1		14.17	14.19	
22	0	1	1	3.56	3.12	23	-2	0	1		4.01	4.23	
22	0	2	1	37.21	36.91	23	-2	1	1		35.20	34.58	
22	0	3	1	13.12	13.26	23	-2	2	1		7.89	8.48	
22	0	4	1	4.73	4.94	23	-2	3	1		9.23	8.95	
22	0	5	1	13.29	13.51	23	-1	-3	1		20.34	19.86	
22	1	-3	1	10.47	9.85	23	-1	-2	1		45.05	44.10	
22	1	-2	1	15.57	15.43	23	-1	-1	1		5.84	5.75	
22	1	-1	1	16.59	16.62	23	-1	0	1		5.39	4.79	
22	1	0	1	8.38	8.42	23	-1	1	1		22.78	22.42	
22	1	1	1	4.24	5.02	23	-1	2	1		4.00	3.89	
22	1	2	1	9.29	9.35	23	-1	3	1		13.37	13.70	
22	1	3	1	7.33	7.06	23	-1	4	1		11.07	10.43	
22	1	4	1	3.82	3.86	23	0	-2	1		39.37	39.02	
22	1	5	1	12.80	13.02	23	0	-1	1		5.78	6.43	
22	1	6	1	10.57	10.94	23	0	0	1		3.78	4.91	
22	2	-2	1	9.18	9.36	23	0	1	1		30.33	30.26	
22	2	-1	1	20.20	20.23	23	0	2	1		10.19	9.90	

FC

FC

H	K	L	GRP	FD	FC	H	K	L	GRP	FD	FC
23	0	3	1	6.23	6.81	24	0	3	1	14.16	14.07
23	0	4	1	35.92	35.66	24	0	4	1	6.54	6.44
23	0	5	1	12.97	12.90	24	1	-1	1	23.16	22.86
23	1	-2	1	30.03	29.32	24	1	0	1	24.70	24.58
23	1	-1	1	11.50	11.14	24	1	1	1	7.42	8.27
23	1	0	1	4.08	4.33	24	1	2	1	3.	3.48
23	1	1	1	34.50	34.38	24	1	3	1	8.94	9.19
23	1	2	1	4.41	3.73	24	1	4	1	L 1.47	1.00
23	1	3	1	12.96	12.54	24	1	5	1	11.65	11.42
23	1	4	1	32.42	31.92	24	2	-1	1	13.28	12.89
23	1	5	1	6.02	6.01	24	2	0	1	19.74	19.43
23	2	-1	1	9.40	8.91	24	2	1	1	5.31	4.62
23	2	0	1	9.65	9.47	24	2	2	1	11.24	11.10
23	2	1	1	22.11	22.15	24	2	3	1	12.85	12.92
23	2	2	1	6.41	5.75	24	2	4	1	L 2.45	2.54
23	2	3	1	12.48	12.09	24	2	5	1	18.52	18.35
23	2	4	1	31.40	31.30	24	3	0	1	18.60	18.52
23	2	5	1	10.17	10.36	24	3	1	1	11.89	11.85
23	2	6	1	6.97	6.96	24	3	2	1	5.67	6.24
23	3	-1	1	9.89	9.85	24	3	3	1	15.06	15.39
23	3	0	1	13.11	12.68	24	3	4	1	3.76	4.45
23	3	1	1	31.00	31.42	24	3	5	1	16.84	17.05
23	3	2	1	7.81	7.29	24	4	1	1	8.36	8.60
23	3	3	1	10.20	10.40	24	4	2	1	16.64	16.23
23	3	4	1	35.61	35.34	24	4	3	1	9.55	9.62
23	3	5	1	10.23	9.70	24	4	4	1	10.66	10.68
23	3	6	1	4.23	4.80	24	4	5	1	9.24	9.19
23	4	0	1	15.73	15.34	24	5	3	1	16.68	16.64
23	4	1	1	10.05	9.85	24	5	4	1	5.26	5.42
23	4	2	1	L 2.81	2.42	25	-2	0	1	6.85	6.88
23	4	3	1	16.51	16.69	25	-2	1	1	11.06	11.00
23	4	4	1	29.48	29.21	25	-1	-1	1	7.56	8.34
23	4	5	1	7.69	7.52	25	-1	0	1	8.29	8.30
23	4	6	1	7.37	6.75	25	-1	1	1	14.67	14.44
23	5	2	1	3.76	3.13	25	-1	2	1	27.57	27.40
23	5	3	1	3.84	3.43	25	0	-1	1	6.19	6.42
23	5	4	1	18.37	17.97	25	0	0	1	10.15	9.90
23	5	5	1	8.43	7.96	25	0	1	1	21.81	21.75
24	-3	-1	1	9.41	9.11	25	0	2	1	9.92	9.98
24	-3	0	1	24.27	24.29	25	0	3	1	10.26	10.71
24	-2	-2	1	L 1.64	3.65	25	1	-1	1	11.56	11.46
24	-2	-1	1	20.09	20.02	25	1	0	1	10.82	10.70
24	-2	0	1	19.44	19.39	25	1	1	1	22.52	22.66
24	-2	1	1	3.93	2.46	25	1	2	1	29.14	29.03
24	-2	2	1	10.32	10.53	25	1	3	1	L 1.49	2.75
24	-1	-2	1	8.27	7.92	25	1	4	1	6.96	7.10
24	-1	-1	1	15.93	15.52	25	2	0	1	10.79	10.83
24	-1	0	1	26.44	26.32	25	2	1	1	17.00	16.73
24	-1	1	1	10.16	9.75	25	2	2	1	5.35	3.15
24	-1	2	1	4.15	5.03	25	2	3	1	L 1.49	2.14
24	-1	3	1	10.01	9.48	25	2	4	1	L 1.76	1.14
24	0	-2	1	10.57	10.31	25	3	1	1	11.91	11.93
24	0	-1	1	16.27	15.92	25	3	2	1	27.52	27.58
24	0	0	1	22.63	22.86	25	3	3	1	7.31	7.18
24	0	1	1	10.92	10.83	25	3	4	1	L 1.64	2.73
24	0	2	1	5.70	5.76	25	4	3	1	7.50	7.44

H	K	L	GRP	FO	FC
25	4	4	1	5.69	6.08
26	0	0	1	7.22	7.39
26	0	1	1	14.69	14.24
26	0	2	1	11.13	10.43
26	0	1	1	10.77	14.24
26	0	2	1	9.90	10.43
26	0	3	1	11.60	17.53
26	2	1	1	20.44	20.50
26	2	2	1	13.81	13.73
26	2	3	1	12.37	12.01

REFLECTION STATISTICS

NUMBER OF ATOMS IN THE ASYMMETRIC UNIT  
 NUMBER OF REFLECTIONS  
 NUMBER OF OBSERVED REFLECTIONS  
 NUMBER OF LESS-THAN REFLECTIONS  
 NUMBER OF REFLECTIONS IGNORED  
 REFLECTIONS WHERE FO/FC LIES OUTSIDE  
 OVERALL LINEAR SCALING RATIO  
 SLOPE OF LN(FO/FC) VS (SIN(THETA))/LAMBDA

SCALE GROUP	NUMBER OF REFLECTIONS	OLD FC SCALE
1	4490	.15

\*\*\*\*\*  
 \*  
 \* R(OVERALL) = .02041 \*  
 \*  
 \*\*\*\*\*

PREDICTED R VALUE OF .01958 IF OVERALL

FC COMPLETED

INTERCHANGED NFILEA = 9 NFILEB = 8

TIME ELAPSED TIME DATE  
 3.85 MIN 1.89 MIN 05/17/78

-----  
 \*\*\*\*\*STORE P  
 CURRENT PROGRAM FC PREVIOUS PROGRAM FC CURRENT SIZE OF DATA ARRAY 3000 REQUIRE OF DATA 746

\*\*\*\*\*  
 \*\*FINISH X-RAY RUN\*\*FINISH X-RAY RUN\*\*  
 \*\*\*\*\*