# 1 **N/None** Opt. res. -400	♠A87654 ♥KQ ♦43 ♣762	♠T2 ♥65 ♦AT865 ♣KT98	♠KJ9 ♥AJ983 ♦QJ2 ♣54
	♠Q3 ♥T742 ♦K97 ♣AQJ3	9 7 12 12	N S: N 4 S 7 H 4 D 3 C 4 5 80 E W: N 9 S 6 H 9 D 10 C 8 8 400
# 2 **E/NS** Opt. res. 120	♠AQ8 ♥863 ♦AJ7 ♣KT62	♠K943 ♥AJ9 ♦QT5 ♣Q75	♠JT75 ♥KT2 ♦K432 ♣83
	♠62 ♥Q754 ♦986 ♣AJ94	14 12 7 7	N S: N 8 S 8 H 8 D 7 C 9 9 120 E W: N 5 S 7 H 5 D 6 C 4 4 80
# 3 **S/EW** Opt. res. -140	♠Q86 ♥Q972 ♦AQT ♣AT9	♠KT92 ♥AKT8 ♦8763 ♣5	♠A53 ♥5 ♦KJ94 ♣QJ743
	♠J74 ♥J643 ♦52 ♣K862	14 10 11 5	N S: N 5 S 4 H 6 D 3 C 5 5 -50 E W: N 7 S 9 H 7 D 10 C 8 8 140
# 4 **W/All** Opt. res. 650	♠KQ764 ♥AT97 ♦874 ♣8	♠AJT83 ♥Q4 ♦KJ5 ♣973	♠2 ♥865 ♦QT932 ♣Q542
	♠95 ♥KJ32 ♦A6 ♣AKJT6	9 11 4 16	N S: N 8 S 10 H 11 D 7 C 10 10 650 E W: N 3 S 3 H 1 D 5 C 3 -200
# 5 **N/NS** Opt. res. -420	♠T65 ♥QJ4 ♦J8432 ♣QJ	♠KJ ♥752 ♦T976 ♣KT95	♠Q9743 ♥KT ♦AKQ5 ♣A8
	♠A82 ♥A9863 ♦- ♣76432	7 7 18 8	N S: N 2 S 3 H 7 D 3 C 5 5 80 E W: N 9 S 10 H 6 D 10 C 8 6 420
# 6 **E/EW** Opt. res. -620	♠A87 ♥KQJ98 ♦A5 ♣875	♠KQT54 ♥T7 ♦QJ8 ♣AQ3	♠63 ♥A65 ♦K942 ♣KT62
	♠J92 ♥432 ♦T763 ♣J94	14 14 10 2	N S: N 4 S 2 H 6 D 3 C 2 2 -50 E W: N 7 S 10 H 7 D 9 C 9 9 620
# 7 **S/All** Opt. res. 140	♠KT96 ♥AK43 ♦J643 ♣J	♠J854 ♥J8752 ♦9 ♣AK5	♠2 ♥Q9 ♦KQ85 ♣Q98643
	♠AQ73 ♥T6 ♦AT72 ♣T72	12 9 9 10	N S: N 7 S 9 H 8 D 9 C 5 5 140 E W: N 6 S 4 H 4 D 3 C 8 8 90
# 8 **W/None** Opt. res. 110	♠QT54 ♥T52 ♦T873 ♣QT	♠J63 ♥AK3 ♦Q64 ♣K432	♠9872 ♥Q86 ♦K52 ♣J87
	♠AK ♥J974 ♦AJ9 ♣A965	4 13 6 17	N S: N 7 S 8 H 7 D 8 C 7 7 110 E W: N 5 S 5 H 5 D 5 C 6 6 -50
# 9 **N/EW** Opt. res. 990	♠AJ4 ♥AQ854 ♦QT8 ♣K7	♠K832 ♥K763 ♦632 ♣A5	♠T965 ♥T9 ♦975 ♣JT96
	♠Q7 ♥J2 ♦AKJ4 ♣Q8432	16 10 1 13	N S: N 11 S 9 H 11 D 12 C 11 11 990 E W: N 1 S 3 H 2 D 1 C 2 2 -400
# 10 **E/All** Opt. res. 500	♠74 ♥AQJ96 ♦T6 ♣Q643	♠953 ♥54 ♦A875 ♣KJ98	♠T6 ♥T72 ♦KQ93 ♣AT52
	♠AKQJ82 ♥K83 ♦J42 ♣7	9 8 9 14	N S: N 5 S 10 H 10 D 4 C 5 5 620 E W: N 2 S 2 H 2 D 9 C 8 8 110
# 11 **S/None** Opt. res. 400	♠AT4 ♥AQ7 ♦KQJT ♣J96	♠762 ♥JT63 ♦7 ♣AK832	♠KQJ9 ♥9542 ♦4 ♣QT74
	♠853 ♥K8 ♦A986532 ♣5	17 8 8 7	N S: N 8 S 7 H 5 D 11 C 5 5 400 E W: N 2 S 6 H 7 D 2 C 8 8 90
# 12 **W/NS** Opt. res. -110	♠KJ42 ♥KJ9 ♦Q976 ♣43	♠5 ♥8642 ♦8542 ♣AJ75	♠AQ973 ♥AT ♦T3 ♣K962
	♠T86 ♥Q753 ♦AKJ ♣QT8	10 5 13 12	N S: N 6 S 5 H 6 D 6 C 3 3 -100 E W: N 7 S 8 H 6 D 7 C 9 9 110
# 13 **N/All** Opt. res. 620	♠QT83 ♥62 ♦QJ ♣AKJ42	♠J ♥KQT943 ♦T7 ♣T985	♠K42 ♥A8 ♦K6532 ♣763
	♠A9765 ♥J75 ♦A984 ♣Q	13 6 10 11	N S: N 7 S 10 H 6 D 8 C 9 9 620 E W: N 2 S 0 H 6 D 4 C 3 0 -100
# 14 **E/None** Opt. res. 300	♠J9754 ♥AT98 ♦8 ♣AQ8	♠A ♥643 ♦KQ6432 ♣J43	♠862 ♥- ♦JT975 ♣KT962
	♠KQT3 ♥KQJ752 ♦A ♣75	11 10 4 15	N S: N 8 S 11 H 12 D 2 C 3 3 980 E W: N 1 S 2 H 1 D 11 C 9 9 400
# 15 **S/NS** Opt. res. -420	♠T962 ♥Q943 ♦753 ♣J2	♠AJ74 ♥JT8 ♦T8 ♣AQ74	♠KQ85 ♥A75 ♦A64 ♣T98
	♠3 ♥K62 ♦KQJ92 ♣K653	3 12 13 12	N S: N 4 S 3 H 5 D 6 C 4 4 -100 E W: N 9 S 10 H 8 D 7 C 8 8 420
# 16 **W/EW** Opt. res. 120	♠Q92 ♥KJ ♦QJ ♣AKJ653	♠KT65 ♥AQ87 ♦KT85 ♣2	♠A84 ♥62 ♦7643 ♣T874
	♠J73 ♥T9543 ♦A92 ♣Q9	17 12 4 7	N S: N 8 S 6 H 7 D 5 C 9 9 120 E W: N 4 S 7 H 6 D 8 C 4 4 90
# 17 **N/None** Opt. res. 100	♠A765 ♥2 ♦T9432 ♣A93	♠KQ432 ♥J3 ♦AK5 ♣J42	♠T9 ♥9854 ♦Q6 ♣KQ765
	♠J8 ♥AKQT76 ♦J87 ♣T8	8 14 7 11	N S: N 8 S 5 H 8 D 8 C 4 4 120 E W: N 5 S 7 H 5 D 5 C 8 8 90
# 18 **E/NS** Opt. res. 120	♠AK ♥8653 ♦KQ ♣JT732	♠9432 ♥QJ9 ♦A732 ♣86	♠T875 ♥AK4 ♦T9 ♣A954
	♠QJ6 ♥T72 ♦J8654 ♣KQ	13 7 11 9	N S: N 8 S 5 H 7 D 7 C 7 7 120 E W: N 5 S 7 H 6 D 6 C 5 5 80
# 19 **S/EW** Opt. res. 200	♠Q ♥KQJT5 ♦AK952 ♣92	♠AKJ74 ♥98742 ♦J4 ♣J	♠T86 ♥- ♦T763 ♣KQT754
	♠9532 ♥A63 ♦Q8 ♣A863	15 10 5 10	N S: N 8 S 4 H 10 D 10 C 5 5 420 E W: N 4 S 9 H 3 D 3 C 7 7 140
# 20 **W/All** Opt. res. -200	♠KT ♥AK96432 ♦K84 ♣T	♠53 ♥T ♦Q963 ♣KQ9875	♠AQ82 ♥- ♦JT72 ♣AJ632
	♠J9764 ♥QJ875 ♦A5 ♣4	13 7 12 8	N S: N 5 S 8 H 10 D 2 C 2 2 620 E W: N 4 S 4 H 3 D 11 C 10 10 600
# 21 **N/NS** Opt. res. -460	♠953 ♥94 ♦J5 ♣A98632	♠AKQJ6 ♥QJ872 ♦Q9 ♣T	♠87 ♥AKT ♦K874 ♣KJ75
	♠T42 ♥653 ♦AT632 ♣Q4	5 15 14 6	N S: N 2 S 2 H 2 D 3 C 5 5 -200 E W: N 11 S 11 H 11 D 9 C 8 8 460
# 22 **E/EW** Opt. res. -660	♠874 ♥A876 ♦J8 ♣K872	♠KJT ♥KT5 ♦AQ73 ♣J53	♠AQ9652 ♥42 ♦K9 ♣A94
	♠3 ♥QJ93 ♦T6542 ♣QT6	8 14 13 5	N S: N 2 S 2 H 7 D 5 C 5 5 80 E W: N 11 S 11 H 6 D 7 C 8 8 660
# 23 **S/All** Opt. res. -650	♠Q84 ♥932 ♦QT83 ♣T42	♠AK653 ♥- ♦K72 ♣AQJ53	♠T92 ♥JT864 ♦J9 ♣K97
	♠J7 ♥AKQ75 ♦A654 ♣86	4 17 5 14	N S: N 5 S 2 H 6 D 6 C 2 2 70 E W: N 8 S 11 H 7 D 6 C 11 10 650
# 24 **W/None** Opt. res. -420	♠8 ♥AK93 ♦K7 ♣T98532	♠AJ7 ♥T842 ♦A3 ♣AJ74	♠K9432 ♥Q ♦QT8542 ♣6
	♠QT65 ♥J765 ♦J96 ♣KQ	10 14 7 9	N S: N 5 S 3 H 8 D 2 C 9 9 110 E W: N 7 S 10 H 5 D 11 C 4 4 420
# 25 **N/EW** Opt. res. 450	♠KQT84 ♥Q2 ♦64 ♣AQ94	♠A753 ♥T543 ♦AQT ♣T5	♠J6 ♥J87 ♦J975 ♣J876
	♠92 ♥AK96 ♦K832 ♣K32	13 10 4 13	N S: N 9 S 10 H 8 D 8 C 9 10 450 E W: N 2 S 2 H 3 D 4 C 3 3 -300
# 26 **E/All** Opt. res. 140	♠82 ♥T72 ♦AT642 ♣AK2	♠Q753 ♥A96 ♦8753 ♣T7	♠AJ94 ♥K53 ♦QJ ♣QJ54
	♠KT6 ♥QJ84 ♦K9 ♣9863	11 6 14 9	N S: N 8 S 6 H 9 D 8 C 8 8 140 E W: N 5 S 7 H 4 D 4 C 5 5 80
# 27 **S/None** Opt. res. 130	♠AQJ3 ♥5 ♦9743 ♣K964	♠9752 ♥QT43 ♦Q52 ♣72	♠KT8 ♥K762 ♦T8 ♣AT83
	♠64 ♥AJ98 ♦AKJ6 ♣QJ5	10 4 10 16	N S: N 8 S 8 H 7 D 10 C 9 9 130 E W: N 5 S 5 H 6 D 3 C 3 3 -50
# 28 **W/NS** Opt. res. -140	♠72 ♥AJ ♦AJ932 ♣Q862	♠AJ53 ♥972 ♦64 ♣KT75	♠QT84 ♥KQT85 ♦T8 ♣J3
	♠K96 ♥643 ♦KQ75 ♣A94	12 8 8 12	N S: N 7 S 4 H 4 D 9 C 7 7 110 E W: N 5 S 9 H 9 D 4 C 5 5 140
# 29 **N/All** Opt. res. -620	♠Q82 ♥63 ♦Q4 ♣AQJ652	♠JT ♥AKJ42 ♦AJ73 ♣T7	♠K7654 ♥T7 ♦KT95 ♣K8
	♠A93 ♥Q985 ♦862 ♣943	11 14 9 6	N S: N 4 S 3 H 3 D 2 C 7 7 70 E W: N 8 S 10 H 10 D 11 C 6 6 620
# 30 **E/None** Opt. res. 130	♠9 ♥KQJ63 ♦T643 ♣KQ7	♠KQJ54 ♥A754 ♦8 ♣AJ3	♠A872 ♥T92 ♦72 ♣9542
	♠T63 ♥8 ♦AKQJ95 ♣T86	11 15 4 10	N S: N 6 S 5 H 7 D 10 C 6 6 130 E W: N 7 S 8 H 6 D 3 C 7 7 110

© Kaj G Backlas C:\Dydrivas\BDS\2012\Jar4kolo\2012Jar4kol.dim

N HPC	E HPC	S HPC	W HPC	Voids				Singletons				>=7suit				Balanced			
10,77	8,73	10,20	10,30	0	3	1	1	9	6	8	11	1	0	1	0	17	21	20	18