# 1 **N/None** Opt. res. -140 ♠95 ♡AQJ72 ♢J ♣K9643 N S N 5 5 S 4 4 H 8 8 D 8 8 C 9 8 110 ♠QJT63 ♡863 ♢Q32 ♣87 ♠A8742 ♡T95 ♢A6 ♣AQ5 ♠K ♡K4 ♢KT98754 ♣JT2 E W N 8 8 S 9 9 H 5 4 D 4 4 C 3 3 140 11 5 14 10	**# 2** **E/NS** Opt. res. 90 ♠AJ92 ♡AQ82 ♢543 ♣85 N S N 7 7 S 6 6 H 7 7 D 8 8 C 7 7 90 ♠Q76543 ♡J93 ♢K8 ♣42 ♠T8 ♡K764 ♢AT6 ♣KQJ6 ♠K ♡T5 ♢QJ972 ♣AT973 E W N 5 5 S 7 7 H 6 6 D 4 4 C 5 5 80 11 6 13 10	**# 3** **S/EW** Opt. res. -90 ♠T875 ♡AT92 ♢J76 ♣54 N S N 7 7 S 7 7 H 5 6 D 7 7 C 5 5 90 ♠A4 ♡K8753 ♢QT83 ♣98 ♠KJ9 ♡J6 ♢A2 ♣JT7632 ♠Q632 ♡Q4 ♢K954 ♣AKQ E W N 6 6 S 5 5 H 7 7 D 6 6 C 8 8 90 5 9 10 16	**# 4** **W/All** Opt. res. 140 ♠KJ85 ♡AT3 ♢Q97 ♣T53 N S N 7 7 S 9 9 H 9 9 D 9 9 C 6 6 140 ♠A762 ♡64 ♢J542 ♣A42 ♠93 ♡J852 ♢T6 ♣KQ876 ♠QT4 ♡KQ97 ♢AK83 ♣J9 E W N 6 6 S 3 3 H 4 4 D 4 4 C 6 6 -100 10 9 6 15	**# 5** **N/NS** Opt. res. 100 ♠KJ ♡KQ64 ♢J64 ♣Q532 N S N 8 8 S 6 6 H 7 7 D 5 5 C 8 8 120 ♠T82 ♡AT873 ♢AT32 ♣6 ♠97543 ♡5 ♢K875 ♣KJ4 ♠AQ6 ♡J92 ♢Q9 ♣AT987 E W N 5 5 S 7 7 H 6 6 D 8 8 C 5 5 90 12 8 7 13
# 6 **E/EW** Opt. res. -1370 ♠A974 ♡J985 ♢KQ ♣J54 N S N 5 5 S 6 6 H 2 2 D 1 1 C 4 4 -50 ♠Q853 ♡A6 ♢J62 ♣AK93 ♠- ♡KQ732 ♢AT8543 ♣Q2 ♠KJT62 ♡T4 ♢97 ♣T876 E W N 7 8 S 7 7 H 10 10 D 12 12 C 8 9 1370 11 14 11 4	**# 7** **S/All** Opt. res. 620 ♠84 ♡AQ9654 ♢AKJ5 ♣7 N S N 6 6 S 10 10 H 10 10 D 8 8 C 5 5 620 ♠KJ9 ♡KJT ♢QT9 ♣KQT4 ♠5 ♡72 ♢8642 ♣A98632 ♠AQT7632 ♡83 ♢73 ♣J5 E W N 7 7 S 2 2 H 3 3 D 3 4 C 7 7 90 14 15 4 7	**# 8** **W/None** Opt. res. 110 ♠KJT743 ♡K32 ♢K6 ♣94 N S N 7 7 S 8 8 H 6 6 D 7 7 C 6 6 110 ♠A98 ♡J76 ♢JT87 ♣632 ♠Q5 ♡AQ95 ♢53 ♣AQT85 ♠62 ♡T84 ♢AQ942 ♣KJ7 E W N 6 6 S 4 4 H 6 6 D 6 6 C 7 7 70 10 6 14 10	**# 9** **N/EW** Opt. res. -140 ♠T ♡74 ♢K53 ♣AKT9872 N S N 6 6 S 4 4 H 6 6 D 4 4 C 8 8 90 ♠AJ973 ♡QJ6 ♢T962 ♣6 ♠852 ♡K85 ♢AQ84 ♣Q43 ♠KQ64 ♡AT932 ♢J7 ♣J5 E W N 6 6 S 9 9 H 7 7 D 9 9 C 4 4 140 10 8 11 11	**# 10** **E/All** Opt. res. -620 ♠43 ♡KT8753 ♢Q6 ♣J62 N S N 7 7 S 3 3 H 8 8 D 3 3 C 8 8 110 ♠AKQ7 ♡Q6 ♢KJ952 ♣K4 ♠8652 ♡42 ♢T874 ♣A98 ♠JT9 ♡AJ9 ♢A3 ♣QT753 E W N 6 6 S 10 10 H 5 5 D 10 10 C 5 5 620 6 18 4 12
# 11 **S/None** Opt. res. 400 ♠AKQ2 ♡J72 ♢J973 ♣Q2 N S N 9 9 S 7 7 H 8 8 D 8 8 C 7 7 400 ♠J8643 ♡5 ♢K54 ♣8753 ♠T9 ♡AT8643 ♢AQ ♣K64 ♠75 ♡KQ9 ♢T862 ♣AJT9 E W N 4 4 S 5 5 H 5 5 D 4 4 C 4 4 -100 13 4 13 10	**# 12** **W/NS** Opt. res. 140 ♠QJ542 ♡A8 ♢76 ♣J942 N S N 8 8 S 9 9 H 6 6 D 6 6 C 9 9 140 ♠A97 ♡KQ742 ♢53 ♣QT7 ♠86 ♡963 ♢AT9842 ♣65 ♠KT3 ♡JT5 ♢KQJ ♣AK83 E W N 3 3 S 3 3 H 6 6 D 7 7 C 3 3 70 8 11 4 17	**# 13** **N/All** Opt. res. 140 ♠J52 ♡QJ ♢QT9543 ♣A3 N S N 5 5 S 5 5 H 9 9 D 8 8 C 3 3 140 ♠K3 ♡T7 ♢A62 ♣KJ9875 ♠AT874 ♡K4 ♢87 ♣QT62 ♠Q96 ♡A986532 ♢KJ ♣4 E W N 5 4 S 3 7 H 3 3 D 4 4 C 9 9 110 10 11 9 10	**# 14** **E/None** Opt. res. 140 ♠AQJ83 ♡9 ♢A982 ♣AK7 N S N 6 6 S 9 9 H 7 7 D 6 6 C 7 7 140 ♠KT7 ♡AKT87 ♢JT6 ♣J4 ♠96 ♡Q5 ♢KQ73 ♣T9852 ♠542 ♡J6432 ♢54 ♣Q63 E W N 4 5 S 3 3 H 6 6 D 6 7 C 6 6 70 18 12 7 3	**# 15** **S/NS** Opt. res. 630 ♠KQ98 ♡3 ♢AJT65 ♣KQ6 N S N 10 10 S 10 10 H 7 7 D 11 11 C 8 8 630 ♠AJ ♡KQ986 ♢K4 ♣A842 ♠5432 ♡542 ♢982 ♣J75 ♠T76 ♡AJT7 ♢Q73 ♣T93 E W N 3 3 S 2 2 H 6 6 D 2 2 C 5 5 -50 15 17 1 7
# 16 **W/EW** Opt. res. 1520 ♠AQT64 ♡K74 ♢A8 ♣A86 N S N 13 13 S 13 13 H 13 13 D 9 9 C 8 8 1520 ♠J7 ♡96 ♢JT73 ♣JT953 ♠83 ♡T532 ♢9654 ♣KQ2 ♠K952 ♡AQJ8 ♢KQ2 ♣74 E W N 0 0 S 0 0 H 0 0 D 4 4 C 5 5 -200 17 3 5 15	**# 17** **N/None** Opt. res. 430 ♠AQ42 ♡8763 ♢K8 ♣A54 N S N 9 10 S 9 9 H 9 9 D 10 10 C 10 10 430 ♠KT ♡AQ52 ♢T652 ♣T62 ♠J875 ♡J94 ♢J74 ♣Q93 ♠963 ♡KT ♢AQ93 ♣KJ87 E W N 3 3 S 4 4 H 4 4 D 3 3 C 2 2 -150 13 9 5 13	**# 18** **E/NS** Opt. res. -120 ♠Q94 ♡QT852 ♢Q86 ♣KQ N S N 5 5 S 6 6 H 7 7 D 6 6 C 5 5 80 ♠AT852 ♡974 ♢T32 ♣95 ♠K ♡AK6 ♢K74 ♣AJT432 ♠J763 ♡J3 ♢AJ95 ♣876 E W N 8 8 S 7 7 H 6 6 D 6 6 C 8 8 120 11 4 18 7	**# 19** **S/EW** Opt. res. -630 ♠Q32 ♡9542 ♢KT4 ♣J63 N S N 3 3 S 4 4 H 4 4 D 3 3 C 3 3 -150 ♠J9 ♡T63 ♢QJ765 ♣QT7 ♠AKT ♡KQ8 ♢A93 ♣A982 ♠87654 ♡AJ7 ♢82 ♣K54 E W N 10 9 S 9 8 H 9 9 D 10 10 C 10 9 630 6 6 20 8	**# 20** **W/All** Opt. res. 1370 ♠- ♡AT6 ♢JT6432 ♣AJ72 N S N 10 10 S 6 6 H 11 11 D 12 12 C 7 7 1370 ♠Q9743 ♡Q7 ♢985 ♣K95 ♠AT52 ♡K54 ♢7 ♣T8643 ♠KJ86 ♡J9832 ♢AKQ ♣Q E W N 3 3 S 7 7 H 2 2 D 1 1 C 6 6 80 10 7 7 16
# 21 **N/NS** Opt. res. -140 ♠T632 ♡KJ84 ♢J6 ♣QJ7 N S N 5 5 S 4 4 H 5 5 D 8 8 C 6 6 90 ♠K85 ♡732 ♢AQT7 ♣643 ♠AJ974 ♡A965 ♢5 ♣K52 ♠Q ♡QT ♢K98432 ♣AT98 E W N 8 8 S 9 8 H 8 7 D 5 5 C 7 6 140 8 9 12 11	**# 22** **E/EW** Opt. res. 990 ♠K97 ♡AQ3 ♢QT8 ♣8754 N S N 12 12 S 9 9 H 9 9 D 12 12 C 10 10 990 ♠JT6542 ♡J642 ♢2 ♣QT ♠3 ♡T875 ♢6543 ♣K963 ♠AQ8 ♡K9 ♢AKJ97 ♣AJ2 E W N 1 1 S 4 4 H 3 3 D 1 1 C 3 3 -300 11 4 3 22	**# 23** **S/All** Opt. res. -620 ♠74 ♡KJ652 ♢97 ♣AK95 N S N 5 5 S 3 3 H 8 8 D 4 4 C 7 7 110 ♠KT86 ♡843 ♢A64 ♣876 ♠AJ953 ♡AQ ♢JT85 ♣Q3 ♠Q2 ♡T97 ♢KQ32 ♣JT42 E W N 8 8 S 10 10 H 5 5 D 9 9 C 5 5 620 11 7 14 8	**# 24** **W/None** Opt. res. -140 ♠T2 ♡9843 ♢AK62 ♣KJ9 N S N 4 4 S 5 5 H 4 4 D 4 4 C 6 6 -50 ♠A7653 ♡J72 ♢7 ♣QT53 ♠Q9 ♡AKT6 ♢QJT83 ♣A4 ♠KJ84 ♡Q5 ♢954 ♣8762 E W N 8 8 S 8 8 H 8 9 D 8 8 C 7 7 140 11 7 16 6	**# 25** **N/EW** Opt. res. 1510 ♠AT854 ♡K4 ♢AJ ♣K953 N S N 12 12 S 13 13 H 10 10 D 7 7 C 12 12 1510 ♠J ♡QJT97 ♢T9765 ♣62 ♠93 ♡63 ♢Q8432 ♣JT87 ♠KQ762 ♡A852 ♢K ♣AQ4 E W N 1 1 S 0 0 H 3 3 D 6 6 C 1 1 -100 15 4 3 18
# 26 **E/All** Opt. res. -1100 ♠852 ♡A32 ♢QJ2 ♣J632 N S N 0 0 S 0 0 H 3 3 D 9 9 C 0 0 110 ♠AQJ963 ♡K7654 ♢- ♣K5 ♠K4 ♡98 ♢A75 ♣AQT987 ♠T7 ♡QJT ♢KT98643 ♣4 E W N 10 12 S 11 12 H 10 10 D 4 4 C 11 12 1440 8 13 13 6	**# 27** **S/None** Opt. res. 400 ♠2 ♡KQ98 ♢AQ98 ♣T764 N S N 7 7 S 4 4 H 9 9 D 5 5 C 11 11 400 ♠JT9 ♡A62 ♢JT543 ♣A8 ♠KQ8765 ♡J74 ♢K62 ♣5 ♠A43 ♡T53 ♢7 ♣KQJ932 E W N 5 5 S 7 7 H 4 4 D 7 7 C 2 2 80 11 10 9 10	**# 28** **W/NS** Opt. res. 100 ♠A843 ♡A975 ♢Q6 ♣T92 N S N 4 4 S 8 8 H 5 5 D 5 5 C 6 6 110 ♠KQ2 ♡Q3 ♢T87 ♣KJ863 ♠65 ♡KJT62 ♢K432 ♣A5 ♠JT97 ♡84 ♢AJ95 ♣Q74 E W N 7 7 S 5 5 H 8 8 D 8 8 C 7 7 110 10 11 11 8	**# 29** **N/All** Opt. res. -600 ♠2 ♡A86 ♢AKT87642 ♣2 N S N 7 7 S 6 6 H 2 2 D 10 10 C 2 2 130 ♠A4 ♡KQT974 ♢3 ♣KJ86 ♠QT763 ♡J3 ♢5 ♣AQ973 ♠KJ985 ♡52 ♢QJ9 ♣T54 E W N 4 4 S 7 7 H 10 9 D 3 3 C 11 10 620 11 13 9 7	**# 30** **E/None** Opt. res. 300 ♠J ♡KJ84 ♢JT764 ♣JT3 N S N 7 7 S 4 5 H 10 10 D 8 8 C 9 9 420 ♠AK8432 ♡- ♢KQ92 ♣952 ♠Q97 ♡Q9752 ♢85 ♣764 ♠T65 ♡AT63 ♢A3 ♣AKQ8 E W N 5 5 S 8 8 H 3 3 D 4 4 C 3 3 110 7 12 4 17

N HPC	E HPC	S HPC	W HPC	|---Voids---|				|--Singletons---|				|- >=7suit -|				|---Balanced----|			
10.80	9.23	10.90	9.07	1	1	0	2	9	8	8	7	2	0	4	0	18	17	21	19

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