# 1 **N/None** Opt. res. 460 ♠QJ743 ♥AT6 ♦AQT ♣92 ♠K86 ♥432 ♦KJ976 ♣KJ ♠T92 ♥J9875 ♦5 ♣QT74 ♠A5 ♥KQ ♦8432 ♣A8653 13 3 11 13 N 11 3 S 10 10 H 7 7 D 9 9 C 9 9 460 E W N 2 2 S 2 2 H 5 5 D 3 3 C 4 4 -100	**# 2** **E/NS** Opt. res. -420 ♠Q97 ♥KJ6 ♦T982 ♣J43 ♠J62 ♥QT754 ♦A63 ♣K5 ♠KT543 ♥A8 ♦J5 ♣AQT9 ♠A8 ♥932 ♦KQ74 ♣8762 7 14 10 9 N 5 4 S 3 3 H 3 3 D 6 6 C 5 4 -100 E W N 8 8 S 10 10 H 9 9 D 7 7 C 8 8 420	**# 3** **S/EW** Opt. res. -80 ♠T9 ♥AQT52 ♦J973 ♣T8 ♠Q865 ♥J98 ♦A8 ♣J542 ♠A74 ♥K74 ♦QT654 ♣A6 ♠KJ32 ♥63 ♦K2 ♣KQ973 7 13 8 12 N 6 6 S 6 6 H 6 6 D 6 6 C 7 7 70 E W N 6 6 S 8 8 H 7 7 D 7 7 C 5 5 110	**# 4** **W/All** Opt. res. -110 ♠K9 ♥AQ974 ♦T ♣J9873 ♠AJT75 ♥J ♦K974 ♣AKT ♠842 ♥KT863 ♦852 ♣65 ♠Q63 ♥52 ♦AQJ63 ♣Q42 10 3 16 11 N 5 5 S 5 5 H 6 6 D 6 6 C 8 8 90 E W N 6 6 S 8 8 H 7 7 D 7 7 C 5 5 110	**# 5** **N/NS** Opt. res. 650 ♠T5 ♥AJT73 ♦T3 ♣J763 ♠J986 ♥K52 ♦42 ♣KQ85 ♠AKQ3 ♥86 ♦Q765 ♣T92 ♠742 ♥Q94 ♦AKJ98 ♣A4 6 11 9 14 N 9 9 S 6 6 H 11 11 D 10 10 C 7 7 650 E W N 2 2 S 7 7 H 2 2 D 2 2 C 6 6 80	**# 6** **E/EW** Opt. res. 450 ♠AT82 ♥Q832 ♦KT4 ♣T7 ♠9654 ♥T6 ♦AQ2 ♣J832 ♠KQJ3 ♥J75 ♦98653 ♣6 ♠7 ♥AK94 ♦J7 ♣AKQ954 9 7 7 17 N 10 10 S 8 8 H 11 11 D 8 8 C 11 11 450 E W N 3 3 S 5 5 H 1 1 D 5 5 C 2 2 -200
# 7 **S/All** Opt. res. -120 ♠4 ♥AQ854 ♦T74 ♣KQ64 ♠AQ65 ♥KT2 ♦AJ8 ♣T73 ♠KT92 ♥J63 ♦963 ♣AJ8 ♠J873 ♥97 ♦KQ52 ♣952 11 14 9 6 N 5 5 S 5 5 H 6 6 D 6 6 C 6 6 -100 E W N 8 8 S 8 8 H 6 6 D 6 7 C 6 6 120	**# 8** **W/None** Opt. res. -140 ♠AJ972 ♥J8 ♦Q864 ♣42 ♠K8654 ♥A53 ♦- ♣JT853 ♠T3 ♥KT9764 ♦AT75 ♣Q ♠Q ♥Q2 ♦KJ932 ♣AK976 8 9 8 15 N 6 6 S 6 6 H 4 4 D 8 8 C 7 7 90 E W N 7 7 S 7 7 H 9 9 D 4 4 C 6 6 140	**# 9** **N/EW** Opt. res. 140 ♠QJT7 ♥AJT6 ♦4 ♣KQJ8 ♠K643 ♥Q93 ♦J7 ♣T732 ♠5 ♥K75 ♦AKQ85 ♣A965 ♠A982 ♥842 ♦T9632 ♣4 14 16 6 4 N 6 6 S 8 9 H 7 7 D 5 5 C 5 5 140 E W N 7 7 S 4 4 H 5 5 D 7 7 C 7 8 90	**# 10** **E/All** Opt. res. 500 ♠A732 ♥KQ4 ♦AT63 ♣K5 ♠Q65 ♥8765 ♦K8 ♣AQT9 ♠K8 ♥AJT32 ♦42 ♣8432 ♠JT94 ♥9 ♦QJ975 ♣J76 16 11 8 5 N 6 6 S 10 10 H 4 4 D 9 9 C 4 4 620 E W N 4 6 S 3 3 H 8 9 D 3 3 C 7 7 140	**# 11** **S/None** Opt. res. 460 ♠A5 ♥AQT43 ♦K762 ♣95 ♠JT76 ♥K95 ♦Q95 ♣T83 ♠KQ94 ♥62 ♦AT83 ♣Q74 ♠832 ♥J87 ♦J4 ♣AKJ62 13 6 11 10 N 11 11 S 7 7 H 11 11 D 9 9 C 11 11 460 E W N 2 2 S 6 6 H 2 2 D 4 4 C 2 2 -50	**# 12** **W/NS** Opt. res. -130 ♠KT97 ♥QT64 ♦T2 ♣JT9 ♠J8 ♥852 ♦Q98643 ♣A6 ♠Q2 ♥KJ3 ♦AKJ ♣K7543 ♠A6543 ♥A97 ♦75 ♣Q82 6 7 17 10 N 5 5 S 7 7 H 7 7 D 2 2 C 4 4 80 E W N 7 7 S 5 5 H 6 6 D 10 10 C 8 8 130
# 13 **N/All** Opt. res. 630 ♠9 ♥AQJ82 ♦QT62 ♣K95 ♠QT82 ♥K63 ♦853 ♣Q72 ♠7643 ♥T74 ♦A4 ♣AT83 ♠AKJ5 ♥95 ♦KJ97 ♣J64 12 7 8 13 N 10 10 S 8 8 H 10 10 D 11 11 C 8 8 630 E W N 3 3 S 5 5 H 3 3 D 2 2 C 5 5 -200	**# 14** **E/None** Opt. res. -100 ♠AK7 ♥T52 ♦98 ♣KQJT5 ♠Q964 ♥J4 ♦T54 ♣9873 ♠J ♥KQ9 ♦AKJ632 ♣A64 ♠T8532 ♥A8763 ♦Q7 ♣2 13 3 18 6 N 4 4 S 7 7 H 8 8 D 4 4 C 7 7 110 E W N 7 7 S 5 5 H 5 5 D 9 9 C 6 6 110	**# 15** **S/NS** Opt. res. -980 ♠J982 ♥T ♦9643 ♣KJ85 ♠AK754 ♥A9753 ♦2 ♣62 ♠QT ♥Q86 ♦AKJ8 ♣A973 ♠63 ♥KJ42 ♦QT75 ♣QT4 5 11 16 8 N 3 1 S 2 1 H 1 1 D 5 5 C 4 4 -200 E W N 10 10 S 11 11 H 12 12 D 8 7 C 9 8 980	**# 16** **W/EW** Opt. res. 140 ♠AKT96 ♥QJ2 ♦J ♣QT53 ♠Q53 ♥A3 ♦A762 ♣J842 ♠842 ♥T965 ♦Q9 ♣AK96 ♠J7 ♥K874 ♦KT8543 ♣7 13 11 9 7 N 7 7 S 8 8 H 9 8 D 9 9 C 6 6 140 E W N 6 6 S 5 5 H 4 4 D 3 4 C 7 7 70	**# 17** **N/None** Opt. res. -100 ♠Q96432 ♥5 ♦Q9 ♣AT43 ♠K ♥KQT987 ♦T852 ♣J2 ♠5 ♥A63 ♦AJ7643 ♣KQ6 ♠AJT87 ♥J42 ♦K ♣9875 8 9 14 9 N 6 6 S 9 9 H 3 3 D 3 3 C 9 9 140 E W N 6 6 S 4 4 H 10 10 D 10 10 C 4 4 420	**# 18** **E/NS** Opt. res. -420 ♠AKQ972 ♥Q5 ♦QJ9 ♣Q6 ♠- ♥AT9643 ♦2 ♣AKJ974 ♠JT863 ♥82 ♦K875 ♣53 ♠54 ♥KJ7 ♦AT643 ♣T82 16 12 4 8 N 6 6 S 8 8 H 3 3 D 8 8 C 3 3 110 E W N 7 7 S 5 5 H 10 10 D 5 4 C 10 10 420
# 19 **S/EW** Opt. res. 1400 ♠7654 ♥- ♦AJ75 ♣QT943 ♠3 ♥KQ8765 ♦QT982 ♣5 ♠KQJT982 ♥A42 ♦43 ♣6 ♠A ♥JT93 ♦K6 ♣AKJ872 7 7 10 16 N 10 10 S 7 7 H 5 5 D 7 7 C 13 13 1440 E W N 3 3 S 6 6 H 8 8 D 5 5 C 0 0 110	**# 20** **W/All** Opt. res. -140 ♠QT72 ♥T9 ♦JT832 ♣A8 ♠A ♥QJ843 ♦KQ94 ♣Q92 ♠K9864 ♥AK5 ♦765 ♣J6 ♠J53 ♥762 ♦A ♣KT7543 7 14 11 8 N 4 4 S 5 5 H 3 3 D 5 5 C 7 7 70 E W N 8 8 S 7 7 H 9 9 D 7 7 C 6 6 140	**# 21** **N/NS** Opt. res. 100 ♠AK3 ♥53 ♦Q743 ♣A943 ♠J42 ♥T942 ♦J95 ♣T76 ♠87 ♥AKQJ87 ♦AK8 ♣K5 ♠QT965 ♥6 ♦T62 ♣QJ82 13 2 20 5 N 5 5 S 9 8 H 4 4 D 7 7 C 9 9 140 E W N 7 7 S 4 4 H 9 9 D 6 6 C 4 4 140	**# 22** **E/EW** Opt. res. -620 ♠QJ9 ♥JT92 ♦JT3 ♣Q94 ♠AK3 ♥AQ854 ♦AK2 ♣A2 ♠8542 ♥73 ♦Q94 ♣8653 ♠T76 ♥K6 ♦8765 ♣KJT7 7 24 2 7 N 4 4 S 3 3 H 3 4 D 3 3 C 5 5 -100 E W N 9 9 S 10 10 H 9 9 D 9 9 C 8 8 620	**# 23** **S/All** Opt. res. 650 ♠AQ9 ♥T9842 ♦Q9 ♣J97 ♠K653 ♥Q75 ♦JT6 ♣T42 ♠JT842 ♥A ♦74 ♣KQ853 ♠7 ♥KJ63 ♦AK8532 ♣A6 9 6 10 15 N 10 10 S 6 6 H 11 11 D 11 11 C 7 7 650 E W N 2 2 S 6 6 H 2 2 D 2 2 C 6 6 -100	**# 24** **W/None** Opt. res. -460 ♠J62 ♥95 ♦JT98642 ♣T ♠T74 ♥KT6 ♦AQ7 ♣J852 ♠KQ ♥AQ8732 ♦- ♣AK974 ♠A9853 ♥J4 ♦K53 ♣Q63 2 10 18 10 N 2 2 S 5 5 H 2 2 D 7 7 C 2 2 70 E W N 11 11 S 8 8 H 11 11 D 6 6 C 11 11 460

N HPC	E HPC	S HPC	W HPC	|---Voids---|	|--Singletons---|	|- >=7suit -|	|---Balanced----|
9.67	10.88	9.92	9.54	1 1 0 2	8 8 11 7	1 1 0 0	14 14 13 16

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