# 1 **N/None** Opt. res. -90 ♠A7542 ♡A94 ◇76 ♣853 ♠98 ♡652 ◇AQ842 ♣QJ6 ♠KT3 ♡K73 ◇J3 ♣KT972 ♠QJ6 ♡QJT8 ◇KT95 ♣A4 8 9 10 13 N S N 6 6 S 7 7 H 7 7 D 6 6 C 4 4 80 E W N 7 7 S 5 5 H 5 5 D 7 7 C 8 8 90	**# 2** **E/NS** Opt. res. -110 ♠KJ8 ♡A94 ◇T9 ♣AK765 ♠QT53 ♡8 ◇AQJ54 ♣QJT ♠972 ♡KQJ7532 ◇K2 ♣9 ♠A64 ♡T6 ◇8763 ♣8432 15 12 9 4 N S N 6 6 S 6 6 H 5 5 D 6 6 C 8 8 90 E W N 6 6 S 7 7 H 8 8 D 7 7 C 4 4 110	**# 3** **S/EW** Opt. res. 400 ♠732 ♡9 ◇AK76432 ♣43 ♠AKQ985 ♡2 ◇J9 ♣Q962 ♠T64 ♡KQ8753 ◇QT ♣87 ♠J ♡AJT64 ◇85 ♣AKJT5 7 12 7 14 N S N 7 7 S 5 5 H 8 8 D 11 11 C 9 9 400 E W N 3 3 S 7 7 H 5 5 D 1 1 C 2 2 80	**# 4** **W/All** Opt. res. -650 ♠AJ3 ♡A9 ◇98752 ♣Q32 ♠Q8642 ♡864 ◇KQ ♣T95 ♠- ♡KQJT75 ◇AJ63 ♣KJ4 ♠KT975 ♡32 ◇T4 ♣A876 11 7 15 7 N S N 5 5 S 7 7 H 2 2 D 6 6 C 6 6 80 E W N 7 7 S 6 6 H 11 11 D 7 7 C 6 6 650	**# 5** **N/NS** Opt. res. -460 ♠QT7643 ♡JT5 ◇Q3 ♣Q2 ♠J85 ♡Q84 ◇AT4 ♣KJT3 ♠K9 ♡K9 ◇KJ982 ♣A984 ♠A2 ♡A7632 ◇765 ♣765 7 11 14 8 N S N 2 2 S 7 7 H 5 5 D 2 2 C 2 2 80 E W N 11 10 S 6 6 H 8 8 D 11 10 C 11 11 460
# 6 **E/EW** Opt. res. 450 ♠T4 ♡JT762 ◇KQJ4 ♣A6 ♠J73 ♡A ◇T95 ♣Q97543 ♠Q9865 ♡K43 ◇86 ♣J82 ♠AK2 ♡Q985 ◇A732 ♣KT 11 7 6 16 N S N 8 8 S 6 6 H 11 11 D 11 11 C 7 7 450 E W N 2 2 S 7 7 H 2 2 D 2 2 C 6 6 80	**# 7** **S/All** Opt. res. -200 ♠JT6 ♡AKT9542 ◇A ♣32 ♠Q7532 ♡J8 ◇KQT2 ♣KQ ♠9 ♡- ◇J987654 ♣AJT86 ♠AK84 ♡Q763 ◇3 ♣9754 12 13 6 9 N S N 8 8 S 7 7 H 10 10 D 2 2 C 2 2 620 E W N 3 3 S 5 5 H 3 3 D 11 11 C 8 8 600	**# 8** **W/None** Opt. res. 110 ♠Q9 ♡J73 ◇AK5 ♣KT865 ♠K65 ♡K9865 ◇984 ♣Q9 ♠AT4 ♡Q2 ◇QT32 ♣A742 ♠J8732 ♡AT4 ◇J76 ♣J3 13 8 12 7 N S N 6 6 S 8 7 H 6 6 D 6 6 C 7 7 110 E W N 6 6 S 5 5 H 7 7 D 7 7 C 6 6 80	**# 9** **N/EW** Opt. res. -140 ♠QT4 ♡AT9 ◇AT ♣AQ732 ♠987632 ♡KQ743 ◇Q5 ♣- ♠A ♡852 ◇KJ9862 ♣KT8 ♠KJ5 ♡J6 ◇743 ♣J9654 16 7 11 6 N S N 6 6 S 6 6 H 4 4 D 4 4 C 8 8 90 E W N 6 6 S 7 7 H 9 9 D 8 8 C 4 4 140	**# 10** **E/All** Opt. res. 650 ♠AJ ♡KT9632 ◇T7 ♣642 ♠Q97 ♡J4 ◇J43 ♣JT853 ♠KT8 ♡Q5 ◇A9865 ♣K97 ♠65432 ♡A87 ◇KQ2 ♣AQ 8 5 12 15 N S N 10 10 S 10 10 H 11 11 D 7 7 C 8 8 650 E W N 2 2 S 3 3 H 2 1 D 6 6 C 5 5 -100
# 11 **S/None** Opt. res. 460 ♠653 ♡98 ◇AK6 ♣KJ873 ♠AJT ♡KJ62 ◇932 ♣QT9 ♠Q9874 ♡T743 ◇J74 ♣6 ♠K2 ♡AQ5 ◇QT85 ♣A542 11 11 3 15 N S N 8 11 S 5 5 H 5 6 D 10 11 C 11 11 460 E W N 2 2 S 7 7 H 7 7 D 2 2 C 2 2 80	**# 12** **W/NS** Opt. res. -980 ♠4 ♡J62 ◇953 ♣AKQJT8 ♠AT3 ♡Q94 ◇A864 ♣764 ♠KJ6 ♡AKT8 ◇KQJ72 ♣2 ♠Q98752 ♡753 ◇T ♣953 11 10 17 2 N S N 1 1 S 4 4 H 1 1 D 1 1 C 7 7 70 E W N 7 7 S 8 8 H 12 12 D 12 12 C 6 6 980	**# 13** **N/All** Opt. res. -660 ♠Q754 ♡63 ◇KQ6 ♣7542 ♠AJ86 ♡QT9 ◇T9 ♣AJT3 ♠KT9 ♡K42 ◇AJ753 ♣Q8 ♠32 ♡AJ875 ◇842 ♣K96 7 12 13 8 N S N 2 2 S 2 2 H 3 3 D 2 2 C 3 3 -400 E W N 11 11 S 11 11 H 9 9 D 11 11 C 10 10 660	**# 14** **E/None** Opt. res. 400 ♠AT852 ♡J862 ◇K63 ♣A ♠Q64 ♡3 ◇JT852 ♣QJT9 ♠J73 ♡KT754 ◇AQ9 ♣43 ♠K9 ♡AQ9 ◇74 ♣K87652 12 6 10 12 N S N 9 8 S 9 9 H 9 8 D 6 5 C 9 9 400 E W N 4 4 S 2 2 H 4 4 D 7 7 C 4 4 70	**# 15** **S/NS** Opt. res. 630 ♠75 ♡KJT83 ◇AT62 ♣A5 ♠83 ♡Q9762 ◇75 ♣J832 ♠KJ9642 ♡A4 ◇KJ4 ♣T4 ♠AQT ♡5 ◇Q983 ♣KQ976 12 3 12 13 N S N 10 10 S 8 8 H 9 9 D 11 11 C 10 10 630 E W N 3 3 S 5 5 H 4 4 D 2 2 C 3 3 -100
# 16 **W/EW** Opt. res. -600 ♠T32 ♡T8 ◇T432 ♣AK52 ♠QJ85 ♡AKQ3 ◇K76 ♣Q3 ♠K64 ♡J54 ◇A95 ♣J987 ♠A97 ♡9762 ◇QJ8 ♣T64 7 17 9 7 N S N 4 4 S 3 3 H 3 3 D 5 5 C 4 5 -100 E W N 9 9 S 9 9 H 9 9 D 8 8 C 8 8 600	**# 17** **N/None** Opt. res. -450 ♠973 ♡J964 ◇AQ4 ♣AK4 ♠AQ862 ♡KQ8 ◇JT93 ♣T ♠KJ5 ♡A3 ◇K7 ♣QJ8752 ♠T4 ♡T752 ◇8652 ♣963 14 12 14 0 N S N 4 4 S 2 2 H 6 5 D 4 4 C 3 3 -50 E W N 9 9 S 11 11 H 7 7 D 9 9 C 9 9 450	**# 18** **E/NS** Opt. res. 140 ♠Q972 ♡8 ◇T982 ♣J652 ♠A84 ♡97653 ◇Q4 ♣KT3 ♠3 ♡KT42 ◇AJ763 ♣Q94 ♠KJT65 ♡AQJ ◇K5 ♣A87 3 9 10 18 N S N 8 8 S 9 9 H 5 5 D 6 6 C 7 8 140 E W N 4 4 S 4 4 H 8 8 D 7 7 C 5 5 110	**# 19** **S/EW** Opt. res. -1440 ♠764 ♡JT3 ◇654 ♣AJ97 ♠AKJ5 ♡K864 ◇AJT ♣T3 ♠QT2 ♡AQ52 ◇K9 ♣KQ82 ♠983 ♡97 ◇Q8732 ♣654 6 16 16 2 N S N 1 1 S 1 1 H 1 1 D 2 2 C 2 2 -250 E W N 12 12 S 12 12 H 12 12 D 10 10 C 11 11 1440	**# 20** **W/All** Opt. res. -120 ♠T54 ♡A5 ◇A876 ♣AK96 ♠A83 ♡K9876 ◇QJT2 ♣4 ♠QJ9 ♡QT ◇K953 ♣QJ32 ♠K762 ♡J432 ◇4 ♣T875 15 10 11 4 N S N 5 5 S 6 6 H 6 6 D 4 4 C 7 7 70 E W N 8 8 S 6 6 H 6 6 D 9 9 C 5 5 120
# 21 **N/NS** Opt. res. -1510 ♠3 ♡Q9743 ◇Q64 ♣K753 ♠QJT95 ♡AJ ◇AKJ985 ♣- ♠AK2 ♡KT62 ◇T7 ♣A642 ♠8764 ♡85 ◇32 ♣QJT98 7 16 14 3 N S N 1 1 S 0 0 H 4 4 D 1 1 C 5 6 -100 E W N 11 11 S 13 13 H 9 9 D 12 12 C 7 7 1510	**# 22** **E/EW** Opt. res. 430 ♠KT2 ♡J3 ◇AQT6 ♣KQ75 ♠875 ♡84 ◇953 ♣AJ984 ♠QJ3 ♡AT765 ◇K74 ♣T3 ♠A964 ♡KQ92 ◇J82 ♣62 15 5 10 10 N S N 10 9 S 9 9 H 9 8 D 10 9 C 8 7 430 E W N 3 3 S 4 4 H 4 4 D 3 3 C 5 5 -200	**# 23** **S/All** Opt. res. 140 ♠962 ♡QJ842 ◇Q75 ♣J9 ♠AK5 ♡7 ◇KJ63 ♣K7652 ♠J8743 ♡95 ◇984 ♣QT3 ♠QT ♡AKT63 ◇AT2 ♣A84 6 14 3 17 N S N 7 7 S 4 4 H 9 9 D 5 5 C 3 3 140 E W N 6 6 S 8 8 H 4 4 D 8 8 C 9 9 110	**# 24** **W/None** Opt. res. -420 ♠QT96 ♡T5 ◇Q76 ♣8754 ♠A73 ♡AK4 ◇AK8 ♣KJ96 ♠J4 ♡QJ8763 ◇9432 ♣T ♠K852 ♡92 ◇JT5 ♣AQ32 4 22 4 10 N S N 3 3 S 5 5 H 2 2 D 2 3 C 5 5 -100 E W N 9 9 S 7 7 H 10 10 D 10 10 C 8 8 420	**# 25** **N/EW** Opt. res. -140 ♠AKQ84 ♡82 ◇QT ♣8764 ♠J62 ♡AQ975 ◇8632 ♣A ♠9753 ♡KT3 ◇A4 ♣QJ53 ♠T ♡J64 ◇KJ975 ♣KT92 11 11 10 8 N S N 5 5 S 5 5 H 4 4 D 6 6 C 7 7 70 E W N 7 7 S 6 6 H 9 9 D 6 6 C 5 5 140
# 26 **E/All** Opt. res. 650 ♠KQ98754 ♡3 ◇Q ♣AQJ7 ♠A6 ♡JT986 ◇62 ♣K432 ♠2 ♡542 ◇AKJ84 ♣T965 ♠JT3 ♡AKQ7 ◇T9753 ♣8 14 8 8 10 N S N 9 9 S 11 11 H 6 6 D 8 8 C 7 7 650 E W N 4 4 S 1 1 H 6 6 D 5 5 C 6 6 -100	**# 27** **S/None** Opt. res. -100 ♠Q86 ♡AK5 ◇98653 ♣T2 ♠974 ♡T ◇AJ4 ♣AQ9854 ♠K52 ♡Q98642 ◇K ♣K73 ♠AJT3 ♡J73 ◇QT72 ♣J6 9 11 11 9 N S N 5 5 S 6 6 H 5 5 D 8 8 C 4 4 90 E W N 7 7 S 7 7 H 7 7 D 5 5 C 9 9 110	**# 28** **W/NS** Opt. res. 630 ♠Q ♡KT83 ◇98632 ♣AJ6 ♠AJ9752 ♡QJ42 ◇J ♣K8 ♠863 ♡A765 ◇K ♣T9532 ♠KT4 ♡9 ◇AQT754 ♣Q74 10 12 7 11 N S N 10 10 S 6 6 H 6 6 D 11 11 C 7 7 630 E W N 3 3 S 7 7 H 6 7 D 2 2 C 5 5 80	

N HPC	E HPC	S HPC	W HPC	|---Voids---|				|--Singletons---|				|- >=7suit -|				|---Balanced----|			
10.07	10.14	9.21	10.57	0	2	0	2	9	10	8	10	3	2	0	0	18	14	19	16

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