# 1 **N/None** Opt. res. -110 ♠76 ♡762 ♢K8652 ♣AJ7 ♠T984 ♡AQ93 ♢JT ♣T62 ♠AQ ♡K54 ♢A974 ♣Q853 ♠KJ532 ♡JT8 ♢Q3 ♣K94 8 15 7 10 N S: N 5 5, S 6 6, H 5 5, D 6 6, C 5 5 E W: N 7 7, S 7 7, H 8 7, D 7 7, C 8 8 -50 110	**# 2** **E/NS** Opt. res. 100 ♠974 ♡A ♢T7653 ♣AJ53 ♠A32 ♡65 ♢QJ42 ♣K974 ♠QJ6 ♡J9732 ♢A9 ♣QT6 ♠KT85 ♡KQT84 ♢K8 ♣82 9 10 10 11 N S: N 6 6, S 8 8, H 7 7, D 6 6, C 6 6 E W: N 7 7, S 5 5, H 6 5, D 6 6, C 7 7 110 90	**# 3** **S/EW** Opt. res. -650 ♠Q643 ♡AQ6432 ♢K ♣J6 ♠AT9872 ♡- ♢T86 ♣KT83 ♠J5 ♡K87 ♢AQ432 ♣A42 ♠K ♡JT95 ♢J975 ♣Q975 12 7 14 7 N S: N 3 3, S 2 2, H 8 8, D 3 3, C 4 4 E W: N 7 7, S 11 11, H 5 5, D 10 10, C 9 9 110 650	**# 4** **W/All** Opt. res. -140 ♠J73 ♡92 ♢J974 ♣J432 ♠8654 ♡KT75 ♢T ♣KT97 ♠KQT ♡J6 ♢Q8632 ♣AQ6 ♠A92 ♡AQ843 ♢AK5 ♣85 3 6 14 17 N S: N 5 5, S 4 4, H 6 5, D 5 5, C 4 4 E W: N 8 8, S 9 9, H 8 7, D 7 7, C 9 9 -100 140	**# 5** **N/NS** Opt. res. -420 ♠A8754 ♡- ♢52 ♣QJT864 ♠6 ♡KJ985 ♢KQJ9 ♣932 ♠KT932 ♡643 ♢AT43 ♣A ♠QJ ♡AQT72 ♢876 ♣K75 7 10 11 12 N S: N 5 5, S 6 6, H 3 3, D 2 2, C 8 8 E W: N 6 6, S 6 7, H 10 10, D 10 10, C 5 5 90 420
# 6 **E/EW** Opt. res. -650 ♠7 ♡QJT7 ♢T9865 ♣KJT ♠KQJT86542 ♡5 ♢2 ♣95 ♠93 ♡632 ♢AKQ4 ♣AQ74 ♠A ♡AK984 ♢J73 ♣8632 7 15 6 12 N S: N 6 6, S 1 1, H 8 7, D 8 7, C 6 6 E W: N 7 7, S 11 11, H 5 5, D 5 5, C 6 6 110 650	**# 7** **S/All** Opt. res. -1430 ♠A97 ♡JT4 ♢53 ♣JT432 ♠KQT83 ♡AK7 ♢Q986 ♣A ♠J5 ♡9865 ♢AK4 ♣K875 ♠642 ♡Q32 ♢JT72 ♣Q96 6 18 11 5 N S: N 2 2, S 1 1, H 2 2, D 2 2, C 4 4 E W: N 11 11, S 12 12, H 11 11, D 11 11, C 8 8 -300 1430	**# 8** **W/None** Opt. res. 100 ♠KT7642 ♡AQ3 ♢K4 ♣J2 ♠AJ9 ♡9865 ♢A3 ♣AQT6 ♠Q3 ♡T2 ♢97652 ♣K985 ♠85 ♡KJ74 ♢QJT8 ♣743 13 15 5 7 N S: N 6 6, S 8 8, H 7 7, D 6 6, C 4 4 E W: N 6 6, S 5 5, H 5 6, D 7 7, C 8 8 110 90	**# 9** **N/EW** Opt. res. -100 ♠43 ♡98652 ♢8 ♣A7642 ♠J ♡J73 ♢QJT964 ♣T83 ♠AT ♡AKQT ♢K73 ♣KQJ9 ♠KQ987652 ♡4 ♢A52 ♣5 4 5 22 9 N S: N 3 3, S 9 9, H 3 3, D 3 3, C 3 3 E W: N 5 5, S 2 2, H 8 8, D 10 10, C 10 10 140 130	**# 10** **E/All** Opt. res. -120 ♠K7 ♡Q952 ♢9873 ♣K64 ♠Q985 ♡3 ♢QJT54 ♣J53 ♠2 ♡AJT87 ♢A62 ♣A987 ♠AJT643 ♡K64 ♢K ♣QT2 8 6 13 13 N S: N 5 5, S 8 8, H 5 4, D 4 4, C 4 4 E W: N 8 8, S 5 5, H 7 7, D 9 9, C 8 8 110 120
# 11 **S/None** Opt. res. -300 ♠Q6543 ♡2 ♢AKJ ♣7542 ♠AKJ ♡QT7643 ♢872 ♣8 ♠T972 ♡AK9 ♢QT3 ♣AJ6 ♠8 ♡J85 ♢9654 ♣KQT93 10 10 14 6 N S: N 3 3, S 5 5, H 3 3, D 6 6, C 9 9 E W: N 10 9, S 8 8, H 10 10, D 7 7, C 4 4 110 430	**# 12** **W/NS** Opt. res. -140 ♠K83 ♡QT86 ♢K9 ♣T752 ♠J95 ♡K543 ♢QJT2 ♣AQ ♠AT642 ♡- ♢876543 ♣98 ♠Q7 ♡AJ972 ♢A ♣KJ643 8 13 4 15 N S: N 6 6, S 3 3, H 9 9, D 3 3, C 8 8 E W: N 6 6, S 9 9, H 4 4, D 10 10, C 5 5 140 140	**# 13** **N/All** Opt. res. -630 ♠QJ963 ♡K543 ♢754 ♣4 ♠A ♡AQ72 ♢AQ83 ♣J983 ♠KT8542 ♡J6 ♢T6 ♣AK2 ♠7 ♡T98 ♢KJ92 ♣QT765 6 17 11 6 N S: N 3 3, S 3 3, H 3 3, D 3 3, C 3 3 E W: N 10 10, S 10 10, H 10 10, D 10 10, C 10 10 -400 630	**# 14** **E/None** Opt. res. 100 ♠K742 ♡Q73 ♢T53 ♣AT2 ♠53 ♡J6542 ♢AQJ9 ♣94 ♠QJ9 ♡AKT9 ♢764 ♣765 ♠AT86 ♡8 ♢K82 ♣KQJ83 9 8 10 13 N S: N 4 4, S 8 9, H 4 4, D 4 5, C 8 8 E W: N 6 6, S 4 4, H 9 9, D 7 7, C 5 5 140 140	**# 15** **S/NS** Opt. res. 90 ♠AJ732 ♡2 ♢842 ♣K742 ♠KQ ♡9763 ♢Q7 ♣QJ865 ♠T854 ♡AT54 ♢K63 ♣A3 ♠96 ♡KQJ8 ♢AJT95 ♣T9 8 10 11 11 N S: N 6 6, S 7 6, H 5 5, D 8 8, C 6 6 E W: N 6 6, S 6 5, H 7 7, D 5 5, C 7 7 90 80
# 16 **W/EW** Opt. res. -100 ♠AK8 ♡Q2 ♢J5 ♣QJT865 ♠643 ♡K853 ♢AK63 ♣A4 ♠72 ♡JT76 ♢QT94 ♣K97 ♠QJT95 ♡A94 ♢872 ♣32 13 14 6 7 N S: N 6 6, S 8 8, H 4 4, D 4 4, C 7 7 E W: N 7 7, S 5 5, H 9 9, D 9 9, C 5 5 110 140	**# 17** **N/None** Opt. res. -140 ♠AT43 ♡K86543 ♢- ♣QJ3 ♠QJ7 ♡Q92 ♢J42 ♣K872 ♠K9652 ♡AJ7 ♢AQ85 ♣9 ♠8 ♡T ♢KT9763 ♣AT654 10 9 14 7 N S: N 4 4, S 4 4, H 7 6, D 6 6, C 8 7 E W: N 8 8, S 9 9, H 6 6, D 7 7, C 5 5 90 140	**# 18** **E/NS** Opt. res. 100 ♠874 ♡Q93 ♢AJ9632 ♣A ♠9 ♡AKJ8752 ♢KQ7 ♣J4 ♠AT32 ♡4 ♢T4 ♣Q97652 ♠KQJ65 ♡T6 ♢85 ♣KT83 11 14 6 9 N S: N 6 6, S 8 8, H 4 4, D 7 7, C 5 5 E W: N 4 5, S 4 4, H 8 8, D 5 5, C 8 8 110 110	**# 19** **S/EW** Opt. res. -620 ♠A ♡54 ♢KJ76532 ♣AT6 ♠QT84 ♡KT2 ♢Q9 ♣Q974 ♠J973 ♡AJ763 ♢A8 ♣K8 ♠K652 ♡Q98 ♢T4 ♣J532 12 9 13 6 N S: N 4 4, S 3 3, H 3 3, D 7 7, C 4 4 E W: N 6 8, S 9 10, H 9 10, D 5 5, C 6 8 70 620	**# 20** **W/All** Opt. res. 1440 ♠82 ♡A862 ♢AK5 ♣KT93 ♠543 ♡Q ♢JT876 ♣Q762 ♠QT97 ♡JT975 ♢3 ♣J84 ♠AKJ6 ♡K43 ♢Q942 ♣A5 14 5 4 17 N S: N 12 12, S 11 11, H 10 10, D 11 11, C 11 11 1440 1440
# 21 **N/NS** Opt. res. 130 ♠KJ3 ♡Q ♢Q7653 ♣QT84 ♠AT75 ♡KJ65 ♢T84 ♣95 ♠Q842 ♡A94 ♢AJ92 ♣76 ♠96 ♡T8732 ♢K ♣AKJ32 10 8 11 11 N S: N 6 6, S 4 4, H 6 6, D 6 6, C 10 10 E W: N 6 6, S 8 8, H 6 6, D 6 6, C 3 3 130 110	**# 22** **E/EW** Opt. res. 400 ♠QJ ♡KQ4 ♢96 ♣AKQT43 ♠65 ♡A975 ♢AJ754 ♣J6 ♠9873 ♡T862 ♢K8 ♣952 ♠AKT42 ♡J3 ♢QT32 ♣87 17 10 3 10 N S: N 9 9, S 9 9, H 6 6, D 7 7, C 10 10 E W: N 2 2, S 1 1, H 6 6, D 5 5, C 1 1 400 -100	**# 23** **S/All** Opt. res. 140 ♠K7 ♡KT92 ♢72 ♣KJT82 ♠AJT6 ♡75 ♢AT854 ♣75 ♠8542 ♡QJ3 ♢Q9 ♣A964 ♠Q93 ♡A864 ♢KJ63 ♣Q3 10 9 9 12 N S: N 7 8, S 5 5, H 9 9, D 5 6, C 8 8 E W: N 5 5, S 7 7, H 4 4, D 6 6, C 4 4 140 80	**# 24** **W/None** Opt. res. -400 ♠QT ♡942 ♢6 ♣AQ97543 ♠8543 ♡AKQ86 ♢QT9 ♣6 ♠AKJ9 ♡J5 ♢KJ875 ♣T2 ♠762 ♡T73 ♢A432 ♣KJ8 8 11 13 8 N S: N 4 4, S 1 1, H 2 2, D 2 2, C 8 8 E W: N 5 5, S 9 9, H 9 9, D 11 11, C 5 5 90 400	**# 25** **N/EW** Opt. res. 140 ♠KQ7 ♡JT82 ♢T96 ♣J72 ♠J532 ♡A963 ♢J2 ♣T86 ♠84 ♡5 ♢AQ8543 ♣AK43 ♠AT96 ♡KQ74 ♢K7 ♣Q95 7 6 13 14 N S: N 5 5, S 7 7, H 9 9, D 4 4, C 5 5 E W: N 5 5, S 5 5, H 4 4, D 9 9, C 7 7 140 110
# 26 **E/All** Opt. res. 120 ♠T8 ♡J43 ♢KJ5 ♣AKQ43 ♠K ♡AT952 ♢T9742 ♣52 ♠AQJ543 ♡Q8 ♢Q86 ♣98 ♠9762 ♡K76 ♢A3 ♣JT76 14 7 11 8 N S: N 8 7, S 5 5, H 6 6, D 4 4, C 9 9 E W: N 5 5, S 8 8, H 7 7, D 8 8, C 4 4 120 110	**# 27** **S/None** Opt. res. -1510 ♠72 ♡T764 ♢Q95 ♣K987 ♠KJ964 ♡AKQ8 ♢A ♣A53 ♠AQ85 ♡3 ♢KT632 ♣QJ4 ♠T3 ♡J952 ♢J874 ♣T62 5 21 12 2 N S: N 1 1, S 0 0, H 2 2, D 2 2, C 1 1 E W: N 12 12, S 13 13, H 11 11, D 11 11, C 11 12 -250 1510	**# 28** **W/NS** Opt. res. -450 ♠Q97 ♡AQJ2 ♢J95 ♣KQ8 ♠K8543 ♡765 ♢64 ♣T65 ♠AT62 ♡83 ♢AKQT3 ♣A7 ♠J ♡KT94 ♢872 ♣J9432 15 3 17 5 N S: N 2 2, S 1 1, H 8 8, D 2 2, C 8 8 E W: N 9 9, S 11 11, H 5 5, D 10 10, C 5 5 110 450		

N HPC	E HPC	S HPC	W HPC	|---Voids---|				|--Singletons---|				|- >=7suit -|				|---Balanced----|			
9.43	11.14	9.64	9.79	2	1	0	1	11	7	13	14	2	0	1	2	12	18	17	14

样本