# 1 **N/None** Opt. res. -100	♠A853 ♡- ◇T82 ♣AKQ964	N S N 1 1 S 10 10 H 1 1 D 1 1 C 10 10 420	**# 2** **E/NS** Opt. res. 660	♠98 ♡AKQ975 ◇J4 ♣AQJ
♠962 ♡J98 ◇AJ964 ♣J8	♠K7 ♡AKQ5432 ◇KQ7 ♣5		♠53 ♡J32 ◇6532 ♣9862	♠AKJT42 ♡T864 ◇8 ♣74
13 7 17 3	♠QJT4 ♡T76 ◇53 ♣T732	E W N 6 6 S 3 3 H 11 11 D 10 11 C 3 3 450	17 1 8 14	♠Q76 ♡- ◇AKQT97 ♣KT53

# 2 **E/NS** Opt. res. 660	♠98 ♡AKQ975 ◇J4 ♣AQJ	N S N 11 11 S 8 8 H 9 9 D 11 11 C 11 11 660	**# 3** **S/EW** Opt. res. -1100	♠QT932 ♡9 ◇73 ♣AQ654
♠53 ♡J32 ◇6532 ♣9862	♠AKJT42 ♡T864 ◇8 ♣74		♠J76 ♡KJ7653 ◇KJT4 ♣-	♠4 ♡AT42 ◇A965 ♣KT72
17 1 8 14	♠Q76 ♡- ◇AKQT97 ♣KT53	E W N 0 0 S 5 5 H 3 3 D 0 0 C 0 0 -100	8 9 11 12	♠AK85 ♡Q8 ◇Q82 ♣J983

# 3 **S/EW** Opt. res. -1100	♠QT932 ♡9 ◇73 ♣AQ654	N S N 3 3 S 7 7 H 1 1 D 1 1 C 7 7 80	**# 4** **W/All** Opt. res. -140	♠KQ84 ♡K65 ◇A92 ♣K42
♠J76 ♡KJ7653 ◇KJT4 ♣-	♠4 ♡AT42 ◇A965 ♣KT72		♠A ♡QJT9 ◇KJ43 ♣AJ76	♠J96532 ♡A3 ◇Q85 ♣T3
8 9 11 12	♠AK85 ♡Q8 ◇Q82 ♣J983	E W N 7 7 S 4 4 H 12 12 D 11 11 C 4 4 1430	15 16 7 2	♠T7 ♡8742 ◇T76 ♣Q985

# 4 **W/All** Opt. res. -140	♠KQ84 ♡K65 ◇A92 ♣K42	N S N 5 5 S 4 4 H 4 4 D 3 3 C 4 4 -200	**# 5** **N/NS** Opt. res. 140	♠A95 ♡95 ◇T62 ♣JT743
♠A ♡QJT9 ◇KJ43 ♣AJ76	♠J96532 ♡A3 ◇Q85 ♣T3		♠K3 ♡AK63 ◇J843 ♣A85	♠J86 ♡T84 ◇975 ♣KQ96
15 16 7 2	♠T7 ♡8742 ◇T76 ♣Q985	E W N 8 8 S 9 9 H 8 8 D 9 9 C 9 9 140	5 15 6 14	♠QT742 ♡QJ72 ◇AKQ ♣2

# 5 **N/NS** Opt. res. 140	♠A95 ♡95 ◇T62 ♣JT743	N S N 6 5 S 9 9 H 6 6 D 5 5 C 6 6 140	**# 6** **E/EW** Opt. res. 420	♠T974 ♡AT9865 ◇J8 ♣J
♠K3 ♡AK63 ◇J843 ♣A85	♠J86 ♡T84 ◇975 ♣KQ96		♠2 ♡3 ◇AT95 ♣AT85432	♠KJ63 ♡J742 ◇7642 ♣7
5 15 6 14	♠QT742 ♡QJ72 ◇AKQ ♣2	E W N 7 7 S 4 4 H 7 7 D 8 7 C 7 7 90	6 8 5 21	♠AQ85 ♡KQ ◇KQ3 ♣KQ96

# 6 **E/EW** Opt. res. 420	♠T974 ♡AT9865 ◇J8 ♣J	N S N 9 9 S 9 9 H 10 10 D 7 7 C 7 7 420	**# 7** **S/All** Opt. res. 120	♠73 ♡J42 ◇AKJ6 ♣KJ94
♠2 ♡3 ◇AT95 ♣AT85432	♠KJ63 ♡J742 ◇7642 ♣7		♠T9542 ♡A865 ◇3 ♣A63	♠K ♡KQT3 ◇QT9742 ♣75
6 8 5 21	♠AQ85 ♡KQ ◇KQ3 ♣KQ96	E W N 3 3 S 3 3 H 3 3 D 6 6 C 6 6 -100	13 8 10 9	♠AQJ86 ♡97 ◇85 ♣QT82

# 7 **S/All** Opt. res. 120	♠73 ♡J42 ◇AKJ6 ♣KJ94	N S N 8 8 S 8 8 H 5 5 D 5 5 C 9 9 120	**# 8** **W/None** Opt. res. 100	♠KT97 ♡98 ◇Q532 ♣Q97
♠T9542 ♡A865 ◇3 ♣A63	♠K ♡KQT3 ◇QT9742 ♣75		♠Q ♡Q72 ◇T987 ♣AJ832	♠AJ43 ♡JT43 ◇AJ ♣T65
13 8 10 9	♠AQJ86 ♡97 ◇85 ♣QT82	E W N 5 5 S 5 5 H 8 8 D 7 7 C 4 4 110	7 9 11 13	♠8652 ♡AK65 ◇K64 ♣K4

# 8 **W/None** Opt. res. 100	♠KT97 ♡98 ◇Q532 ♣Q97	N S N 6 6 S 8 8 H 5 5 D 7 7 C 5 5 110	**# 9** **N/EW** Opt. res. -140	♠QT8652 ♡3 ◇AK84 ♣94
♠Q ♡Q72 ◇T987 ♣AJ832	♠AJ43 ♡JT43 ◇AJ ♣T65		♠A9 ♡A876 ◇QJT5 ♣J75	♠KJ7 ♡JT42 ◇2 ♣AQT86
7 9 11 13	♠8652 ♡AK65 ◇K64 ♣K4	E W N 6 6 S 5 5 H 7 7 D 6 6 C 8 8 90	9 12 11 8	♠43 ♡KQ95 ◇9763 ♣K32

# 9 **N/EW** Opt. res. -140	♠QT8652 ♡3 ◇AK84 ♣94	N S N 4 4 S 6 6 H 4 4 D 6 6 C 4 4 -50	**# 10** **E/All** Opt. res. 620	♠AK65 ♡JT4 ◇KT8 ♣J84
♠A9 ♡A876 ◇QJT5 ♣J75	♠KJ7 ♡JT42 ◇2 ♣AQT86		♠J98 ♡972 ◇A632 ♣975	♠Q73 ♡K65 ◇54 ♣AQT32
9 12 11 8	♠43 ♡KQ95 ◇9763 ♣K32	E W N 8 8 S 6 6 H 9 9 D 6 6 C 9 9 140	12 5 11 12	♠T42 ♡AQ83 ◇QJ97 ♣K6

# 10 **E/All** Opt. res. 620	♠AK65 ♡JT4 ◇KT8 ♣J84	N S N 8 8 S 10 10 H 10 10 D 10 10 C 7 7 620	**# 11** **S/None** Opt. res. 450	♠Q54 ♡AQ9 ◇73 ♣A9832
♠J98 ♡972 ◇A632 ♣975	♠Q73 ♡K65 ◇54 ♣AQT32		♠K9 ♡K4 ◇KQT982 ♣765	♠872 ♡T8762 ◇J64 ♣JT
12 5 11 12	♠T42 ♡AQ83 ◇QJ97 ♣K6	E W N 3 3 S 3 3 H 3 3 D 3 3 C 6 6 -100	12 11 2 15	♠AJT63 ♡J53 ◇A5 ♣KQ4

# 11 **S/None** Opt. res. 450	♠Q54 ♡AQ9 ◇73 ♣A9832	N S N 10 10 S 11 11 H 8 8 D 6 6 C 11 11 450	**# 12** **W/NS** Opt. res. 120	♠AKQ9 ♡752 ◇A872 ♣86
♠K9 ♡K4 ◇KQT982 ♣765	♠872 ♡T8762 ◇J64 ♣JT		♠J5432 ♡KJ43 ◇Q9 ♣A7	♠876 ♡AQ8 ◇543 ♣T532
12 11 2 15	♠AJT63 ♡J53 ◇A5 ♣KQ4	E W N 1 1 S 1 1 H 4 4 D 7 7 C 1 1 70	13 11 6 10	♠T ♡T96 ◇KJT6 ♣KQJ94

# 12 **W/NS** Opt. res. 120	♠AKQ9 ♡752 ◇A872 ♣86	N S N 8 8 S 7 7 H 7 7 D 9 9 C 9 9 120	**# 13** **N/All** Opt. res. -1430	♠QJ85 ♡86 ◇JT82 ♣Q53
♠J5432 ♡KJ43 ◇Q9 ♣A7	♠876 ♡AQ8 ◇543 ♣T532		♠6 ♡Q95 ◇AQ65 ♣T8764	♠A43 ♡AKJT43 ◇K ♣K92
13 11 6 10	♠T ♡T96 ◇KJT6 ♣KQJ94	E W N 5 5 S 5 6 H 5 5 D 1 1 C 2 2 -50	6 8 18 8	♠KT972 ♡72 ◇9743 ♣AJ

# 13 **N/All** Opt. res. -1430	♠QJ85 ♡86 ◇JT82 ♣Q53	N S N 3 3 S 5 5 H 1 1 D 3 3 C 2 2 -200	**# 14** **E/None** Opt. res. 400	♠AJ4 ♡KQ5 ◇K32 ♣A975
♠6 ♡Q95 ◇AQ65 ♣T8764	♠A43 ♡AKJT43 ◇K ♣K92		♠875 ♡T983 ◇A974 ♣J4	♠KQT2 ♡J62 ◇QJ6 ♣T32
6 8 18 8	♠KT972 ♡72 ◇9743 ♣AJ	E W N 10 10 S 7 7 H 12 11 D 7 7 C 11 11 1430	17 5 9 9	♠963 ♡A74 ◇T85 ♣KQ86

# 14 **E/None** Opt. res. 400	♠AJ4 ♡KQ5 ◇K32 ♣A975	N S N 9 9 S 8 8 H 8 8 D 7 7 C 9 9 400	**# 15** **S/NS** Opt. res. -110	♠J42 ♡K86 ◇54 ♣KT654
♠875 ♡T983 ◇A974 ♣J4	♠KQT2 ♡J62 ◇QJ6 ♣T32		♠AK7 ♡J54 ◇AK83 ♣J92	♠T3 ♡A932 ◇QT62 ♣873
17 5 9 9	♠963 ♡A74 ◇T85 ♣KQ86	E W N 4 4 S 5 5 H 5 5 D 5 5 C 4 4 -100	7 16 6 11	♠Q9865 ♡QT7 ◇J97 ♣AQ

# 15 **S/NS** Opt. res. -110	♠J42 ♡K86 ◇54 ♣KT654	N S N 5 5 S 7 7 H 5 5 D 4 4 C 7 7 80	**# 16** **W/EW** Opt. res. -140	♠K82 ♡T73 ◇T863 ♣T62
♠AK7 ♡J54 ◇AK83 ♣J92	♠T3 ♡A932 ◇QT62 ♣873		♠QT9653 ♡K4 ◇4 ♣KQ75	♠A ♡J865 ◇AKJ95 ♣J94
7 16 6 11	♠Q9865 ♡QT7 ◇J97 ♣AQ	E W N 7 7 S 5 5 H 8 8 D 8 8 C 6 6 110	3 10 14 13	♠J74 ♡AQ92 ◇Q72 ♣A83

# 16 **W/EW** Opt. res. -140	♠K82 ♡T73 ◇T863 ♣T62	N S N 5 5 S 3 3 H 5 5 D 4 4 C 3 3 -100	**# 17** **N/None** Opt. res. 400	♠6 ♡AK64 ◇KQT87 ♣K32
♠QT9653 ♡K4 ◇4 ♣KQ75	♠A ♡J865 ◇AKJ95 ♣J94		♠KT94 ♡9732 ◇A4 ♣Q87	♠J853 ♡QJT8 ◇92 ♣A54
3 10 14 13	♠J74 ♡AQ92 ◇Q72 ♣A83	E W N 8 8 S 9 9 H 8 8 D 9 9 C 9 9 140	15 9 8 8	♠AQ72 ♡5 ◇J653 ♣JT96

# 17 **N/None** Opt. res. 400	♠6 ♡AK64 ◇KQT87 ♣K32	N S N 8 9 S 7 7 H 7 7 D 11 11 C 9 10 400	**# 18** **E/NS** Opt. res. 110	♠2 ♡AK5 ◇KJ5 ♣KJ9876
♠KT94 ♡9732 ◇A4 ♣Q87	♠J853 ♡QJT8 ◇92 ♣A54		♠QJ43 ♡T863 ◇63 ♣AQT	♠KT7 ♡Q42 ◇A874 ♣543
15 9 8 8	♠AQ72 ♡5 ◇J653 ♣JT96	E W N 3 4 S 5 5 H 6 6 D 2 2 C 3 3 -50	15 9 9 7	♠A9865 ♡J97 ◇QT92 ♣2

# 18 **E/NS** Opt. res. 110	♠2 ♡AK5 ◇KJ5 ♣KJ9876	N S N 7 7 S 7 7 H 7 7 D 9 9 C 9 9 110	**# 19** **S/EW** Opt. res. 400	♠KJ72 ♡AT7 ◇A5 ♣QT43
♠QJ43 ♡T863 ◇63 ♣AQT	♠KT7 ♡Q42 ◇A874 ♣543		♠Q43 ♡Q2 ◇QT9864 ♣85	♠AT5 ♡K53 ◇J7 ♣KJ972
15 9 9 7	♠A9865 ♡J97 ◇QT92 ♣2	E W N 6 6 S 5 5 H 6 6 D 3 4 C 3 4 -50	14 6 12 8	♠986 ♡J9864 ◇K32 ♣A6

# 19 **S/EW** Opt. res. 400	♠KJ72 ♡AT7 ◇A5 ♣QT43	N S N 9 8 S 8 8 H 9 9 D 5 5 C 7 7 400	**# 20** **W/All** Opt. res. 650	♠AK7652 ♡6 ◇T97 ♣T32
♠Q43 ♡Q2 ◇QT9864 ♣85	♠AT5 ♡K53 ◇J7 ♣KJ972		♠JT83 ♡T92 ◇J43 ♣K85	♠Q ♡754 ◇K8652 ♣A974
14 6 12 8	♠986 ♡J9864 ◇K32 ♣A6	E W N 4 4 S 4 5 H 4 4 D 8 8 C 6 6 90	7 5 9 19	♠94 ♡AKQJ83 ◇AQ ♣QJ6

# 20 **W/All** Opt. res. 650	♠AK7652 ♡6 ◇T97 ♣T32	N S N 10 10 S 9 9 H 11 11 D 7 7 C 8 8 650	**# 21** **N/NS** Opt. res. 100	♠AJ983 ♡QJ9 ◇AT7 ♣KT
♠JT83 ♡T92 ◇J43 ♣K85	♠Q ♡754 ◇K8652 ♣A974		♠6 ♡K32 ◇KJ932 ♣A964	♠KQ7 ♡854 ◇Q54 ♣Q753
7 5 9 19	♠94 ♡AKQJ83 ◇AQ ♣QJ6	E W N 2 2 S 2 2 H 2 2 D 6 6 C 5 5 -100	15 11 9 5	♠T542 ♡AT76 ◇86 ♣J82

# 21 **N/NS** Opt. res. 100	♠AJ983 ♡QJ9 ◇AT7 ♣KT	N S N 6 6 S 8 8 H 7 7 D 5 5 C 5 5 110	**# 22** **E/EW** Opt. res. 140	♠KQ5 ♡K4 ◇Q8542 ♣AQ2
♠6 ♡K32 ◇KJ932 ♣A964	♠KQ7 ♡854 ◇Q54 ♣Q753		♠4 ♡QJT85 ◇A96 ♣J643	♠J9832 ♡A62 ◇T3 ♣T85
15 11 9 5	♠T542 ♡AT76 ◇86 ♣J82	E W N 7 7 S 5 5 H 6 6 D 7 8 C 8 8 90	16 8 5 11	♠AT76 ♡973 ◇KJ7 ♣K97

# 22 **E/EW** Opt. res. 140	♠KQ5 ♡K4 ◇Q8542 ♣AQ2	N S N 7 7 S 9 8 H 6 6 D 9 9 C 7 7 140	**# 23** **S/All** Opt. res. 1400	♠92 ♡AKJ4 ◇KJT752 ♣4
♠4 ♡QJT85 ◇A96 ♣J643	♠J9832 ♡A62 ◇T3 ♣T85		♠KJ74 ♡Q7 ◇83 ♣AKQJ3	♠Q3 ♡96 ◇964 ♣987652
16 8 5 11	♠AT76 ♡973 ◇KJ7 ♣K97	E W N 6 6 S 4 4 H 7 7 D 3 3 C 6 6 80	12 16 2 10	♠AT865 ♡T8532 ◇AQ ♣T

# 23 **S/All** Opt. res. 1400	♠92 ♡AKJ4 ◇KJT752 ♣4	N S N 7 7 S 9 9 H 12 12 D 12 12 C 5 5 1430	**# 24** **W/None** Opt. res. -100	♠T8 ♡KQ73 ◇K97 ♣J987
♠KJ74 ♡Q7 ◇83 ♣AKQJ3	♠Q3 ♡96 ◇964 ♣987652		♠AJ3 ♡J2 ◇63 ♣AKT642	♠Q9742 ♡T8 ◇AT82 ♣Q5
12 16 2 10	♠AT865 ♡T8532 ◇AQ ♣T	E W N 1 1 S 3 3 H 1 1 D 1 1 C 8 8 90	9 13 8 10	♠K65 ♡A9654 ◇QJ54 ♣3

# 24 **W/None** Opt. res. -100	♠T8 ♡KQ73 ◇K97 ♣J987	N S N 4 4 S 3 4 H 9 9 D 6 6 C 3 3 140	**# 25** **N/EW** Opt. res. 420	♠KJT87 ♡A93 ◇7 ♣Q932
♠AJ3 ♡J2 ◇63 ♣AKT642	♠Q9742 ♡T8 ◇AT82 ♣Q5		♠54 ♡T8 ◇AJT986 ♣875	♠AQ9 ♡Q7 ◇Q5432 ♣JT4
9 13 8 10	♠K65 ♡A9654 ◇QJ54 ♣3	E W N 8 8 S 9 9 H 4 4 D 6 6 C 9 9 140	10 5 11 14	♠632 ♡KJ6542 ◇K ♣AK6

# 25 **N/EW** Opt. res. 420	♠KJT87 ♡A93 ◇7 ♣Q932	N S N 5 5 S 10 10 H 9 9 D 5 5 C 9 9 420	**# 26** **E/All** Opt. res. 1400	♠AK8532 ♡- ◇QJ9 ♣KQ54
♠54 ♡T8 ◇AJT986 ♣875	♠AQ9 ♡Q7 ◇Q5432 ♣JT4		♠- ♡AKJT75 ◇8532 ♣AJ8	♠J974 ♡Q84 ◇764 ♣973
10 5 11 14	♠632 ♡KJ6542 ◇K ♣AK6	E W N 3 3 S 3 3 H 2 2 D 8 8 C 3 3 90	15 13 3 9	♠QT6 ♡9632 ◇AKT ♣T62

# 26 **E/All** Opt. res. 1400	♠AK8532 ♡- ◇QJ9 ♣KQ54	N S N 6 6 S 12 12 H 5 5 D 7 7 C 9 9 1430	**# 27** **S/None** Opt. res. 100	♠A875 ♡K64 ◇QJ8 ♣Q95
♠- ♡AKJT75 ◇8532 ♣AJ8	♠J974 ♡Q84 ◇764 ♣973		♠QT2 ♡J753 ◇A9643 ♣2	♠J96 ♡A982 ◇T5 ♣AT84
15 13 3 9	♠QT6 ♡9632 ◇AKT ♣T62	E W N 4 4 S 1 1 H 8 8 D 3 4 C 1 1 110	12 7 9 12	♠K43 ♡QT ◇K72 ♣KJ763

# 27 **S/None** Opt. res. 100	♠A875 ♡K64 ◇QJ8 ♣Q95	N S N 8 8 S 7 7 H 5 5 D 6 6 C 8 8 120		
♠QT2 ♡J753 ◇A9643 ♣2	♠J96 ♡A982 ◇T5 ♣AT84			
12 7 9 12	♠K43 ♡QT ◇K72 ♣KJ763	E W N 4 4 S 5 5 H 8 8 D 6 6 C 4 4 110		

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N HPC	E HPC	S HPC	W HPC	|---Voids---|				|--Singletons---|				|- >=7suit -|				|---Balanced----|			
11.22	8.78	10.63	9.37	2	0	1	2	8	9	7	10	0	1	0	1	16	16	18	12