1
N/None
Opt. res. -140

	♠AQJ85 ♡K95 ♢765 ♣KJ	
♠T93 ♡AQJ6 ♢KQT ♣875		♠K ♡T83 ♢J94 ♣AQT964
14 12 10 4	♠7642 ♡742 ♢A832 ♣32	

	N	S
N	6	6
S	7	7
H	4	4
D	6	6
C	3	3
		80

	E	W
N	7	7
S	6	6
H	9	9
D	6	6
C	10	10
		140

2
E/NS
Opt. res. 1100

	♠AKJ765 ♡Q973 ♢4 ♣A7	
♠Q4 ♡6 ♢AK976532 ♣J3		♠T8 ♡T5 ♢QT8 ♣T86542
14 10 2 14	♠932 ♡AKJ842 ♢J ♣KQ9	

	N	S
N	5	5
S	12	12
H	12	12
D	5	5
C	7	7
		1430

	E	W
N	0	0
S	0	0
H	0	0
D	8	8
C	6	6
		90

3
S/EW
Opt. res. -100

	♠J4 ♡JT9652 ♢K63 ♣Q7	
♠K832 ♡Q3 ♢A975 ♣AT9		♠QT965 ♡8 ♢JT84 ♣K53
7 13 6 14	♠A7 ♡AK74 ♢Q2 ♣J8642	

	N	S
N	7	7
S	4	4
H	9	9
D	3	3
C	7	7
		140

	E	W
N	5	5
S	9	9
H	4	4
D	9	9
C	6	6
		140

4
W/All
Opt. res. 110

	♠4 ♡T9853 ♢T52 ♣AKQ2	
♠K8652 ♡AK6 ♢K7 ♣T95		♠AJT ♡QJ2 ♢J3 ♣J8643
9 13 10 8	♠Q973 ♡74 ♢AQ9864 ♣7	

	N	S
N	5	5
S	5	5
H	7	7
D	9	9
C	4	5
		110

	E	W
N	7	7
S	8	8
H	6	6
D	3	3
C	8	8
		110

5
N/NS
Opt. res. -1520

	♠8543 ♡J87 ♢Q87 ♣K83	
♠AQT9 ♡QT64 ♢AT ♣Q64		♠J7 ♡AK3 ♢9652 ♣AJT5
6 14 13 7	♠K62 ♡952 ♢KJ43 ♣972	

	N	S
N	0	0
S	0	0
H	0	0
D	3	3
C	0	0
		-400

	E	W
N	13	13
S	13	13
H	13	13
D	10	10
C	13	13
		1520

6
E/EW
Opt. res. 430

	♠AQT ♡K8 ♢KJT732 ♣Q7	
♠- ♡QJ97643 ♢8654 ♣T8		♠J87652 ♡A ♢Q ♣AK632
15 3 14 8	♠K943 ♡T52 ♢A9 ♣J954	

	N	S
N	10	10
S	8	8
H	5	5
D	6	6
C	5	6
		430

	E	W
N	3	3
S	5	5
H	8	8
D	3	3
C	6	6
		110

7
S/All
Opt. res. 600

	♠64 ♡765 ♢T3 ♣AQJ743	
♠T32 ♡AJT83 ♢986 ♣95		♠AJ75 ♡92 ♢J74 ♣T862
7 5 6 22	♠KQ98 ♡KQ4 ♢AKQ52 ♣K	

	N	S
N	9	9
S	9	9
H	8	8
D	10	10
C	11	11
		600

	E	W
N	3	2
S	4	4
H	5	5
D	3	2
C	2	2
		-200

8
W/None
Opt. res. 100

	♠T5 ♡K863 ♢QJ4 ♣J985	
♠A43 ♡AQJ7 ♢952 ♣AQ3		♠QJ962 ♡9542 ♢T63 ♣6
7 17 3 13	♠K87 ♡T ♢AK87 ♣KT742	

	N	S
N	5	5
S	3	4
H	4	5
D	7	7
C	8	9
		110

	E	W
N	8	8
S	8	8
H	8	8
D	5	5
C	4	4
		120

9
N/EW
Opt. res. 400

	♠K9 ♡AQ ♢973 ♣AKQJ65	
♠J752 ♡JT75 ♢QJ4 ♣T4		♠AT4 ♡K942 ♢A52 ♣987
19 5 11 5	♠Q863 ♡863 ♢KT86 ♣32	

	N	S
N	9	8
S	7	6
H	6	5
D	8	8
C	9	9
		400

	E	W
N	4	4
S	6	6
H	7	7
D	5	5
C	4	4
		80

10
E/All
Opt. res. 110

	♠J93 ♡AQ63 ♢Q732 ♣Q8	
♠K874 ♡T5 ♢T4 ♣AJT97		♠T65 ♡J874 ♢A9 ♣K543
11 8 8 13	♠AQ2 ♡K92 ♢KJ865 ♣62	

	N	S
N	6	6
S	5	5
H	8	8
D	9	9
C	5	5
		110

	E	W
N	6	6
S	7	7
H	5	5
D	4	4
C	8	8
		90

11
S/None
Opt. res. 300

	♠QT94 ♡9863 ♢7 ♣Q762	
♠5 ♡KQJT75 ♢K3 ♣KT83		♠A87 ♡A2 ♢T98542 ♣54
4 12 8 16	♠KJ632 ♡4 ♢AQJ6 ♣AJ9	

	N	S
N	5	5
S	9	10
H	4	4
D	5	5
C	6	7
		420

	E	W
N	7	7
S	3	3
H	9	9
D	7	7
C	5	5
		140

12
W/NS
Opt. res. 630

	♠AQ4 ♡9762 ♢AK6 ♣AK9	
♠K752 ♡A43 ♢QJT ♣765		♠T93 ♡Q85 ♢42 ♣QJT32
20 10 5 5	♠J86 ♡KJT ♢98753 ♣84	

	N	S
N	10	10
S	9	10
H	10	10
D	11	11
C	9	9
		630

	E	W
N	2	2
S	3	3
H	2	2
D	2	2
C	4	4
		-150

13
N/All
Opt. res. 120

	♠Q653 ♡75 ♢Q32 ♣KT63	
♠K92 ♡J943 ♢9764 ♣J8		♠AT7 ♡AT86 ♢J ♣A9754
7 5 13 15	♠J84 ♡KQ2 ♢AKT85 ♣Q2	

	N	S
N	8	7
S	7	7
H	5	4
D	8	8
C	6	6
		120

	E	W
N	5	5
S	5	7
H	8	7
D	5	5
C	7	7
		110

14
E/None
Opt. res. -130

	♠A942 ♡QT86 ♢AK3 ♣42	
♠86 ♡3 ♢JT9852 ♣K983		♠7 ♡AK975 ♢76 ♣AQ765
13 4 13 10	♠KQJT53 ♡J42 ♢Q4 ♣JT	

	N	S
N	6	6
S	8	8
H	5	5
D	4	4
C	3	3
		110

	E	W
N	4	4
S	3	3
H	6	6
D	8	8
C	10	10
		130

15
S/NS
Opt. res. 110

	♠AJ73 ♡652 ♢KQ8 ♣JT3	
♠Q8 ♡QJT3 ♢JT7 ♣K875		♠KT5 ♡A8 ♢932 ♣A9642
11 9 11 9	♠9642 ♡K974 ♢A654 ♣Q	

	N	S
N	6	6
S	6	8
H	7	7
D	7	7
C	6	6
		110

	E	W
N	6	6
S	4	4
H	6	6
D	6	6
C	7	7
		70

16
W/EW
Opt. res. -1370

	♠Q32 ♡AKT87 ♢J84 ♣84	
♠A76 ♡2 ♢AQT3 ♣Q9753		♠95 ♡QJ53 ♢K75 ♣AK62
10 12 13 5	♠KJT84 ♡964 ♢962 ♣JT	

	N	S
N	3	3
S	5	5
H	5	5
D	2	2
C	1	1
		-100

	E	W
N	10	10
S	7	7
H	8	8
D	11	11
C	12	12
		1370

17
N/None
Opt. res. -420

	♠KQ97 ♡65 ♢9643 ♣AQ4	
♠842 ♡Q972 ♢AJ ♣T983		♠AJT ♡KJT8 ♢KQ872 ♣2
11 7 14 8	♠653 ♡A43 ♢T5 ♣KJ765	

	N	S
N	6	6
S	6	6
H	3	3
D	4	4
C	7	7
		70

	E	W
N	6	6
S	7	7
H	10	10
D	9	9
C	6	6
		420

18
E/NS
Opt. res. 500

	♠T543 ♡A63 ♢A8 ♣AJ95	
♠AKQ9 ♡9752 ♢QT ♣763		♠62 ♡J ♢KJ95432 ♣Q82
13 11 7 9	♠J87 ♡KQT84 ♢76 ♣KT4	

	N	S
N	10	10
S	8	8
H	9	9
D	4	4
C	9	9
		630

	E	W
N	3	3
S	4	4
H	3	3
D	8	8
C	3	3
		90

19
S/EW
Opt. res. -650

	♠98 ♡53 ♢AQJT63 ♣AJ3	
♠KQ432 ♡KJT96 ♢54 ♣7		♠AT ♡AQ72 ♢K87 ♣T654
12 9 13 6	♠J765 ♡84 ♢92 ♣KQ982	

	N	S
N	5	5
S	3	3
H	2	2
D	8	8
C	8	8
		90

	E	W
N	7	7
S	10	10
H	11	11
D	5	5
C	5	5
		650

20
W/All
Opt. res. 120

	♠Q632 ♡J5 ♢T96 ♣A543	
♠A98 ♡A87 ♢KJ32 ♣QT8		♠J754 ♡Q62 ♢854 ♣J96
7 14 4 15	♠KT ♡KT943 ♢AQ7 ♣K72	

	N	S
N	8	8
S	8	8
H	8	8
D	8	8
C	9	9
		120

	E	W
N	5	4
S	5	5
H	5	4
D	4	4
C	4	3
		-200

N HPC	E HPC	S HPC	W HPC	Voids	Singletons	>=7suit	Balanced
10.85	9.20	10.30	9.65	0 0 0 1	3 9 6 5	0 1 0 2	12 10 13 14

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