1 N/None
Opt. res. -420

North: ♠AK ♥972 ♦J7652 ♣KJ8
West: ♠8643 ♥83 ♦A3 ♣AT963
East: ♠QT92 ♥AKQ ♦K84 ♣Q42
South: ♠J75 ♥JT654 ♦QT9 ♣75

HCP: N 12, W 8, E 16, S 4

	N	S	E	W
N	4	4	9	9
S	3	3	9	10
H	6	6	7	7
D	6	6	7	7
C	3	3	10	10
	-50		420	

2 E/NS
Opt. res. -140

North: ♠T73 ♥9743 ♦Q86 ♣J83
West: ♠J42 ♥6 ♦KT95 ♣AKQ97
East: ♠KQ85 ♥KJT5 ♦3 ♣6542
South: ♠A96 ♥AQ82 ♦AJ742 ♣T

HCP: N 3, W 13, E 9, S 15

	N	S	E	W
N	5	5	8	7
S	4	4	9	9
H	6	6	7	6
D	7	7	6	6
C	3	3	10	10
	70		140	

3 S/EW
Opt. res. -1440

North: ♠T543 ♥JT8 ♦AQT ♣K96
West: ♠KQJ762 ♥K9 ♦J76 ♣A7
East: ♠A ♥AQ542 ♦K843 ♣T32
South: ♠98 ♥763 ♦952 ♣QJ854

HCP: N 10, W 14, E 13, S 3

	N	S	E	W
N	1	1	12	12
S	1	1	12	12
H	1	1	10	10
D	2	2	10	10
C	5	5	7	7
	-100		1440	

4 W/All
Opt. res. -2140

North: ♠K8653 ♥7 ♦954 ♣9854
West: ♠AQ97 ♥QJT32 ♦T873 ♣-
East: ♠T ♥A6 ♦AKQJ62 ♣AQ62
South: ♠J42 ♥K9854 ♦- ♣KJT73

HCP: N 3, W 9, E 20, S 8

	N	S	E	W
N	2	2	11	11
S	5	6	7	7
H	3	3	10	10
D	0	0	13	13
C	7	7	6	6
	70		2140	

5 N/NS
Opt. res. -130

North: ♠A83 ♥962 ♦AT642 ♣K4
West: ♠974 ♥A3 ♦- ♣AQJT9532
East: ♠J6 ♥K74 ♦K9873 ♣876
South: ♠KQT52 ♥QJT85 ♦QJ5 ♣-

HCP: N 11, W 11, E 7, S 11

	N	S	E	W
N	7	7	4	4
S	8	9	3	3
H	9	9	3	3
D	8	8	5	4
C	3	3	10	10
	140		130	

6 E/EW
Opt. res. 130

North: ♠AK8765 ♥32 ♦6 ♣AK54
West: ♠J932 ♥QT54 ♦84 ♣QT2
East: ♠Q4 ♥A7 ♦AKQJT532 ♣3
South: ♠T ♥KJ986 ♦97 ♣J9876

HCP: N 14, W 5, E 16, S 5

	N	S	E	W
N	4	4	9	9
S	8	8	4	5
H	8	8	4	4
D	4	4	9	9
C	10	10	2	2
	130		600	

7 S/All
Opt. res. 600

North: ♠T83 ♥742 ♦K83 ♣AT73
West: ♠J97542 ♥6 ♦QJ74 ♣92
East: ♠K ♥AK983 ♦T962 ♣Q85
South: ♠AQ6 ♥QJT5 ♦A5 ♣KJ64

HCP: N 7, W 4, E 12, S 17

	N	S	E	W
N	9	9	3	3
S	7	7	5	5
H	9	9	4	4
D	7	7	5	5
C	10	10	3	2
	600		-200	

8 W/None
Opt. res. -420

North: ♠943 ♥AK972 ♦852 ♣T4
West: ♠A86 ♥JT8 ♦A3 ♣AKQ95
East: ♠KJT5 ♥543 ♦T6 ♣J763
South: ♠Q72 ♥Q6 ♦KQJ974 ♣82

HCP: N 7, W 18, E 5, S 10

	N	S	E	W
N	3	3	8	8
S	3	3	10	10
H	7	7	6	6
D	7	7	5	5
C	3	3	10	10
	80		420	

9 N/EW
Opt. res. -130

North: ♠K98764 ♥J94 ♦Q4 ♣K4
West: ♠JT5 ♥A5 ♦A8763 ♣T52
East: ♠AQ ♥KT32 ♦KJ92 ♣Q96
South: ♠32 ♥Q876 ♦T5 ♣AJ873

HCP: N 9, W 9, E 15, S 7

	N	S	E	W
N	4	4	8	8
S	6	6	6	6
H	6	6	7	7
D	3	3	10	10
C	5	5	7	7
	-50		130	

10 E/All
Opt. res. 600

North: ♠Q82 ♥AJ2 ♦AK7 ♣QJ97
West: ♠96543 ♥T87 ♦85 ♣KT8
East: ♠AJT ♥K9643 ♦QJ42 ♣5
South: ♠K7 ♥Q5 ♦T963 ♣A6432

HCP: N 17, W 3, E 11, S 9

	N	S	E	W
N	9	9	4	4
S	7	7	6	6
H	7	7	6	6
D	8	8	5	5
C	10	10	3	3
	600		-100	

11 S/None
Opt. res. 80

North: ♠A92 ♥AQ73 ♦864 ♣872
West: ♠QJ3 ♥T42 ♦AJT9 ♣954
East: ♠KT8 ♥K98 ♦752 ♣AT63
South: ♠7654 ♥J65 ♦KQ3 ♣KQJ

HCP: N 10, W 8, E 10, S 12

	N	S	E	W
N	6	6	6	6
S	6	6	6	6
H	7	7	6	6
D	6	6	7	7
C	6	6	7	7
	80		70	

12 W/NS
Opt. res. 90

North: ♠A4 ♥Q432 ♦AT542 ♣53
West: ♠KT82 ♥AT87 ♦Q8 ♣K97
East: ♠976 ♥J95 ♦J97 ♣AQT4
South: ♠QJ53 ♥K6 ♦K63 ♣J862

HCP: N 10, W 12, E 8, S 10

	N	S	E	W
N	5	6	6	6
S	6	6	7	7
H	5	6	7	7
D	8	8	4	4
C	5	6	6	7
	90		80	

13 N/All
Opt. res. -620

North: ♠52 ♥KQJ4 ♦QT942 ♣A7
West: ♠AJT974 ♥652 ♦A6 ♣T6
East: ♠K83 ♥AT9 ♦J ♣KQJ543
South: ♠Q6 ♥873 ♦K8753 ♣982

HCP: N 12, W 9, E 14, S 5

	N	S	E	W
N	1	1	8	8
S	1	1	10	10
H	6	6	6	6
D	8	8	5	5
C	1	1	10	10
	90		620	

14 E/None
Opt. res. -140

North: ♠QT872 ♥J63 ♦Q6 ♣T74
West: ♠K64 ♥8752 ♦AT42 ♣A9
East: ♠95 ♥AK4 ♦K973 ♣QJ52
South: ♠AJ3 ♥QT9 ♦J85 ♣K863

HCP: N 5, W 11, E 13, S 11

	N	S	E	W
N	5	5	8	8
S	5	5	8	8
H	3	3	9	9
D	3	3	10	10
C	5	5	8	8
	-100		140	

15 S/NS
Opt. res. -140

North: ♠K753 ♥73 ♦K632 ♣AKJ
West: ♠AJ62 ♥AK4 ♦A8 ♣9875
East: ♠Q ♥QJT965 ♦T94 ♣432
South: ♠T984 ♥82 ♦QJ75 ♣QT6

HCP: N 14, W 16, E 5, S 5

	N	S	E	W
N	4	4	8	8
S	7	7	6	6
H	4	4	9	9
D	6	6	6	6
C	5	5	8	8
	80		140	

16 W/EW
Opt. res. 140

North: ♠KQJ3 ♥J5 ♦Q2 ♣KQ963
West: ♠7 ♥Q97643 ♦KJT8 ♣T5
East: ♠8654 ♥K2 ♦A963 ♣A74
South: ♠AT92 ♥AT8 ♦754 ♣J82

HCP: N 14, W 6, E 11, S 9

	N	S	E	W
N	7	7	5	5
S	9	9	4	4
H	4	4	9	9
D	3	3	9	9
C	8	8	4	4
	140		140	

17 N/None
Opt. res. -100

North: ♠JT98 ♥J862 ♦A972 ♣Q
West: ♠54 ♥Q73 ♦KQ643 ♣T92
East: ♠K76 ♥AK9 ♦8 ♣KJ7543
South: ♠AQ32 ♥T54 ♦JT5 ♣A86

HCP: N 8, W 7, E 14, S 11

	N	S	E	W
N	6	6	5	5
S	8	8	4	4
H	7	7	5	5
D	7	7	6	6
C	4	4	9	9
	110		110	

18 E/NS
Opt. res. -980

North: ♠642 ♥T952 ♦874 ♣932
West: ♠AKQ93 ♥QJ6 ♦Q ♣AK85
East: ♠JT87 ♥8 ♦AKJ9632 ♣Q
South: ♠5 ♥AK743 ♦T5 ♣JT764

HCP: N 0, W 21, E 11, S 8

	N	S	E	W
N	0	0	11	11
S	0	0	12	12
H	5	5	7	7
D	0	0	12	12
C	4	4	8	8
	-200		980	

19 S/EW
Opt. res. 420

North: ♠Q86 ♥J7 ♦QJ43 ♣A762
West: ♠K954 ♥KT4 ♦85 ♣QJ95
East: ♠T32 ♥Q32 ♦T972 ♣T83
South: ♠AJ7 ♥A9865 ♦AK6 ♣K4

HCP: N 10, W 9, E 2, S 19

	N	S	E	W
N	9	9	3	3
S	9	10	3	3
H	10	10	3	3
D	10	10	3	3
C	9	9	4	4
	420		-300	

20 W/All
Opt. res. -120

North: ♠AT7 ♥QT87 ♦T2 ♣JT87
West: ♠93 ♥AK3 ♦K9863 ♣K32
East: ♠K862 ♥654 ♦QJ ♣Q654
South: ♠QJ54 ♥J92 ♦A754 ♣A9

HCP: N 7, W 13, E 8, S 12

	N	S	E	W
N	5	5	8	8
S	6	6	6	6
H	7	7	6	6
D	4	4	8	8
C	5	5	8	8
	80		120	

21 N/NS
Opt. res. -140

North: ♠Q954 ♥AK95 ♦87 ♣KT3
West: ♠J7 ♥Q764 ♦KJT53 ♣98
East: ♠AK3 ♥JT8 ♦A942 ♣AJ4
South: ♠T862 ♥32 ♦Q6 ♣Q7652

HCP: N 12, W 7, E 17, S 4

	N	S	E	W
N	4	4	8	8
S	7	7	5	6
H	4	4	9	9
D	3	3	9	9
C	7	7	6	6
	80		140	

22 E/EW
Opt. res. -140

North: ♠A852 ♥T7 ♦K9643 ♣J9
West: ♠JT3 ♥J32 ♦87 ♣A7642
East: ♠Q97 ♥AKQ4 ♦J52 ♣KQT
South: ♠K64 ♥9865 ♦AQT ♣853

HCP: N 8, W 6, E 17, S 9

	N	S	E	W
N	4	4	6	6
S	7	7	5	5
H	4	4	9	9
D	8	8	5	5
C	3	3	9	9
	90		140	

23 S/All
Opt. res. 130

North: ♠AQ765 ♥A2 ♦Q4 ♣QT92
West: ♠842 ♥KJT ♦T7 ♣K8654
East: ♠KJT3 ♥97654 ♦863 ♣A
South: ♠9 ♥Q83 ♦AKJ952 ♣J73

HCP: N 14, W 7, E 8, S 11

	N	S	E	W
N	8	8	3	3
S	7	7	6	6
H	6	6	7	7
D	10	10	3	3
C	8	8	4	4
	130		80	

24 W/None
Opt. res. -420

North: ♠96 ♥7 ♦K87652 ♣KJ65
West: ♠A2 ♥K842 ♦QJ43 ♣A98
East: ♠KQJ83 ♥AJ5 ♦T ♣Q432
South: ♠T754 ♥QT963 ♦A9 ♣T7

HCP: N 7, W 14, E 13, S 6

	N	S	E	W
N	3	3	9	9
S	3	3	10	10
H	3	3	9	9
D	6	6	7	7
C	3	3	9	9
	-50		420	

25 N/EW
Opt. res. -100

North: ♠J ♥9 ♦KQ94 ♣AK98532
West: ♠K852 ♥AQ53 ♦32 ♣QJ6
East: ♠AQT974 ♥KJ764 ♦T ♣4
South: ♠63 ♥T82 ♦AJ8765 ♣T7

HCP: N 13, W 12, E 10, S 5

	N	S	E	W
N	2	2	0	0
S	2	2	11	11
H	1	1	11	11
D	11	11	0	0
C	11	11	0	0
	400		650	

26 E/All
Opt. res. 600

North: ♠J87 ♥J83 ♦Q6 ♣KQT85
West: ♠KQ52 ♥Q42 ♦J7 ♣A974
East: ♠643 ♥A9765 ♦9532 ♣2
South: ♠AT9 ♥KT ♦AKT84 ♣J63

HCP: N 9, W 12, E 4, S 15

	N	S	E	W
N	8	9	3	3
S	7	7	6	6
H	5	6	7	7
D	9	9	3	3
C	9	10	2	2
	600		80	

27 S/None
Opt. res. 110

North: ♠A92 ♥Q873 ♦AQT98 ♣A
West: ♠J54 ♥K65 ♦75432 ♣76
East: ♠KT86 ♥AJ4 ♦K6 ♣QJ42
South: ♠Q73 ♥T92 ♦J ♣KT9853

HCP: N 16, W 4, E 14, S 6

	N	S	E	W
N	7	7	5	5
S	7	7	6	6
H	8	8	4	4
D	8	8	5	5
C	8	8	4	4
	110		-50	

28 W/NS
Opt. res. 1440

North: ♠7 ♥K42 ♦K87 ♣AQJT96
West: ♠J954 ♥AQJT63 ♦3 ♣K7
East: ♠KT863 ♥75 ♦JT42 ♣84
South: ♠AQ2 ♥98 ♦AQ965 ♣532

HCP: N 13, W 11, E 4, S 12

	N	S	E	W
N	12	12	0	0
S	6	6	6	6
H	7	7	6	6
D	12	12	0	0
C	12	12	0	0
	1440		-50	

29 N/All
Opt. res. -650

North: ♠QT7 ♥T876 ♦A92 ♣A63
West: ♠A93 ♥AJ32 ♦J ♣KQT54
East: ♠KJ652 ♥KQ9 ♦QT54 ♣7
South: ♠84 ♥54 ♦K8763 ♣J982

HCP: N 10, W 15, E 11, S 4

	N	S	E	W
N	3	3	10	10
S	2	2	11	11
H	3	3	10	10
D	5	5	8	8
C	3	3	10	10
	-200		650	

30 E/None
Opt. res. -110

North: ♠AQ7 ♥K8632 ♦6 ♣8743
West: ♠JT954 ♥9 ♦QJ83 ♣Q62
East: ♠- ♥AQ754 ♦T7542 ♣AKJ
South: ♠K8632 ♥JT ♦AK9 ♣T95

HCP: N 9, W 6, E 14, S 11

	N	S	E	W
N	5	5	6	6
S	6	6	7	7
H	5	5	7	7
D	2	2	9	9
C	6	6	6	6
	-50		110	

31 S/NS
Opt. res. -200

North: ♠5 ♥QJ ♦KQT852 ♣AKT8
West: ♠JT ♥A8765 ♦93 ♣9543
East: ♠AK987632 ♥K93 ♦6 ♣6
South: ♠Q4 ♥T42 ♦AJ74 ♣QJ72

HCP: N 15, W 5, E 10, S 10

	N	S	E	W
N	3	3	3	3
S	3	3	10	10
H	3	3	8	8
D	10	10	3	3
C	10	10	3	3
	130		420	

32 W/EW
Opt. res. -110

North: ♠T75 ♥KT4 ♦AQ652 ♣K5
West: ♠A64 ♥2 ♦J9 ♣T986432
East: ♠QJ2 ♥AQJ973 ♦T87 ♣A
South: ♠K983 ♥865 ♦K43 ♣QJ7

HCP: N 12, W 5, E 14, S 9

	N	S	E	W
N	6	6	5	5
S	5	5	7	7
H	5	5	8	8
D	5	5	5	5
C	4	4	9	9
	-50		110	

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N HPC	E HPC	S HPC	W HPC	Voids				Singletons				>=7suit				Balanced			
10.03	11.13	9.16	9.69	0	1	2	2	10	20	5	8	1	3	0	2	22	14	23	20