1
N/None
Opt. res. 300
N: ♠A754 ♥KJ97 ♦T43 ♣A4
W: ♠K63 ♥542 ♦A52 ♣9832
E: ♠J98 ♥AQ83 ♦9 ♣QJT65
S: ♠QT2 ♥T6 ♦KQJ876 ♣K7
N S: 8 8 / 7 7 / H 7 7 / D 9 9 / C 5 5 — 120
E W: 4 4 / 5 5 / H 5 5 / D 3 3 / C 8 8 — 90
12 / 7 10 / 11

2
E/NS
Opt. res. 120
N: ♠JT87 ♥Q8 ♦KJ972 ♣A6
W: ♠A54 ♥K943 ♦63 ♣JT84
E: ♠K963 ♥T65 ♦AT84 ♣73
S: ♠Q2 ♥AJ72 ♦Q5 ♣KQ952
N S: 8 8 / 8 8 / H 7 7 / D 8 8 / C 8 8 — 120
E W: 5 5 / 5 5 / H 5 5 / D 5 5 / C 5 5 — -100
11 / 8 7 / 14

3
S/EW
Opt. res. 450
N: ♠A732 ♥T9843 ♦A75 ♣4
W: ♠KQJ5 ♥K7 ♦J82 ♣QT76
E: ♠9864 ♥QJ5 ♦T93 ♣982
S: ♠T ♥A62 ♦KQ64 ♣AKJ53
N S: 8 8 / 8 8 / H 11 11 / D 11 11 / C 9 9 — 450
E W: 5 5 / 5 5 / H 2 2 / D 2 2 / C 4 4 — -200
8 / 12 3 / 17

4
W/All
Opt. res. 110
N: ♠AK2 ♥872 ♦JT76 ♣JT6
W: ♠J65 ♥KT43 ♦A2 ♣K873
E: ♠T94 ♥AQ965 ♦983 ♣Q5
S: ♠Q873 ♥J ♦KQ54 ♣A942
N S: 6 6 / 8 8 / H 5 5 / D 9 9 / C 8 8 — 110
E W: 6 6 / 5 5 / H 8 8 / D 3 3 / C 5 5 — 110
9 / 11 8 / 12

5
N/NS
Opt. res. -430
N: ♠K63 ♥J753 ♦73 ♣9842
W: ♠J7 ♥KQT64 ♦A2 ♣T765
E: ♠QT5 ♥92 ♦KQJ96 ♣AKQ
S: ♠A9842 ♥A8 ♦T854 ♣J3
N S: 3 3 / 5 5 / H 4 4 / D 3 3 / C 3 3 — -200
E W: 10 10 / 7 7 / H 9 9 / D 10 10 / C 9 9 — 430
4 / 10 17 / 9

6
E/EW
Opt. res. -140
N: ♠J5 ♥J872 ♦KJ54 ♣J84
W: ♠AKQ6 ♥AT54 ♦A2 ♣KQ3
E: ♠987 ♥3 ♦T863 ♣T9752
S: ♠T432 ♥KQ96 ♦Q97 ♣A6
N S: 7 4 / 4 7 / H 7 7 / D 5 5 / C 3 3 — 90
E W: 6 6 / 9 9 / H 6 6 / D 8 8 / C 9 9 — 140
7 / 22 0 / 11

7
S/All
Opt. res. 650
N: ♠A84 ♥93 ♦AT74 ♣KT84
W: ♠953 ♥765 ♦KJ5 ♣J953
E: ♠T62 ♥842 ♦932 ♣AQ62
S: ♠KQJ7 ♥AKQJT ♦Q86 ♣7
N S: 10 10 / 11 11 / H 11 11 / D 11 11 / C 9 9 — 650
E W: 3 3 / 2 2 / H 2 2 / D 2 2 / C 4 4 — -300
11 / 5 6 / 18

8
W/None
Opt. res. 450
N: ♠KQJ72 ♥J8532 ♦53 ♣T
W: ♠64 ♥QT96 ♦J987 ♣732
E: ♠98 ♥K4 ♦KQ64 ♣KQ865
S: ♠AT53 ♥A7 ♦AT2 ♣AJ94
N S: 9 9 / 11 11 / H 9 9 / D 6 6 / C 7 7 — 450
E W: 4 4 / 2 2 / H 4 4 / D 6 6 / C 6 6 — -50
7 / 3 13 / 17

9
N/EW
Opt. res. -140
N: ♠J64 ♥963 ♦AQT3 ♣876
W: ♠T73 ♥KT ♦976 ♣AJ954
E: ♠AQ ♥AQJ85 ♦K8542 ♣2
S: ♠K9852 ♥742 ♦J ♣KQT3
N S: 4 4 / 6 6 / H 4 4 / D 3 3 / C 5 5 — -50
E W: 8 8 / 6 6 / H 9 9 / D 10 10 / C 8 7 — 140
7 / 8 16 / 9

10
E/All
Opt. res. 1370
N: ♠Q943 ♥63 ♦K763 ♣KT6
W: ♠T ♥T9842 ♦J952 ♣532
E: ♠KJ8765 ♥QJ ♦Q84 ♣J7
S: ♠A2 ♥AK75 ♦AT ♣AQ984
N S: 10 10 / 10 10 / H 10 10 / D 10 10 / C 12 11 — 1370
E W: 2 2 / 3 3 / H 3 3 / D 3 3 / C 1 1 — -400
8 / 1 10 / 21

11
S/None
Opt. res. -990
N: ♠QT3 ♥J9753 ♦65 ♣Q85
W: ♠A54 ♥A ♦QJ7432 ♣AK3
E: ♠K9 ♥KQT82 ♦KT ♣JT76
S: ♠J8762 ♥64 ♦A98 ♣942
N S: 1 1 / 5 5 / H 2 2 / D 1 1 / C 2 2 — -100
E W: 12 12 / 8 8 / H 11 11 / D 12 12 / C 11 11 — 990
5 / 18 12 / 5

12
W/NS
Opt. res. 90
N: ♠J2 ♥A92 ♦Q52 ♣QJ963
W: ♠AQT943 ♥543 ♦A ♣852
E: ♠6 ♥QJT86 ♦K9764 ♣KT
S: ♠K875 ♥K7 ♦JT83 ♣A74
N S: 7 7 / 7 7 / H 5 5 / D 7 7 / C 7 7 — 90
E W: 4 4 / 6 6 / H 7 7 / D 6 6 / C 4 4 — 80
10 / 10 9 / 11

13
N/All
Opt. res. -620
N: ♠974 ♥95 ♦7542 ♣KT92
W: ♠J62 ♥KQJ74 ♦QJ83 ♣Q
E: ♠AT853 ♥AT32 ♦T ♣863
S: ♠KQ ♥86 ♦AK96 ♣AJ754
N S: 7 7 / 3 3 / H 3 3 / D 8 8 / C 8 8 — 90
E W: 6 6 / 10 10 / H 10 10 / D 5 5 / C 5 5 — 620
3 / 12 8 / 17

14
E/None
Opt. res. 140
N: ♠KQ72 ♥AQT ♦A3 ♣T632
W: ♠963 ♥73 ♦JT82 ♣AKJ8
E: ♠AT8 ♥J64 ♦K964 ♣975
S: ♠J54 ♥K9852 ♦Q75 ♣Q4
N S: 8 8 / 9 9 / H 9 9 / D 6 6 / C 7 7 — 140
E W: 4 4 / 4 4 / H 4 4 / D 7 7 / C 6 6 — 70
15 / 9 8 / 8

15
S/NS
Opt. res. -980
N: ♠8 ♥987 ♦AKT96 ♣QJ62
W: ♠KJT943 ♥AJT542 ♦8 ♣-
E: ♠AQ2 ♥Q ♦J752 ♣K9754
S: ♠765 ♥K63 ♦Q43 ♣AT83
N S: 5 5 / 1 1 / H 2 2 / D 8 8 / C 9 9 — 110
E W: 6 4 / 12 12 / H 11 11 / D 4 4 / C 3 3 — 980
10 / 9 12 / 9

16
W/EW
Opt. res. 110
N: ♠A632 ♥K2 ♦JT53 ♣KT7
W: ♠K75 ♥Q975 ♦A74 ♣A84
E: ♠84 ♥A864 ♦KQ98 ♣J32
S: ♠QJT9 ♥JT3 ♦62 ♣Q965
N S: 5 5 / 8 8 / H 4 4 / D 5 5 / C 8 7 — 110
E W: 7 7 / 4 4 / H 8 8 / D 7 8 / C 5 5 — 110
11 / 13 10 / 6

17
N/None
Opt. res. 420
N: ♠AQ63 ♥QJT ♦QT ♣5432
W: ♠J4 ♥7542 ♦9872 ♣T76
E: ♠K8 ♥863 ♦A6543 ♣AJ8
S: ♠T9752 ♥AK9 ♦KJ ♣KQ9
N S: 7 7 / 10 10 / H 8 8 / D 7 7 / C 10 9 — 420
E W: 5 5 / 3 3 / H 5 5 / D 6 6 / C 3 3 — -50
11 / 1 12 / 16

18
E/NS
Opt. res. -430
N: ♠K6 ♥Q754 ♦J432 ♣J94
W: ♠JT94 ♥AT6 ♦KQ8 ♣AT6
E: ♠A52 ♥J82 ♦AT75 ♣Q83
S: ♠Q873 ♥K93 ♦96 ♣K752
N S: 3 3 / 4 4 / H 5 5 / D 3 3 / C 5 5 — -200
E W: 10 10 / 9 9 / H 8 8 / D 10 10 / C 8 8 — 430
7 / 14 11 / 8

19
S/EW
Opt. res. 140
N: ♠632 ♥Q98 ♦T762 ♣Q93
W: ♠KT74 ♥T7 ♦J843 ♣864
E: ♠QJ ♥K43 ♦95 ♣AKT752
S: ♠A985 ♥AJ652 ♦AKQ ♣J
N S: 5 5 / 8 8 / H 9 9 / D 7 7 / C 5 5 — 140
E W: 5 4 / 5 4 / H 4 3 / D 6 4 / C 8 8 — 90
4 / 4 13 / 19

20
W/All
Opt. res. 660
N: ♠AK7 ♥KJ65 ♦8432 ♣A2
W: ♠96 ♥A972 ♦Q75 ♣KJ96
E: ♠J542 ♥843 ♦J9 ♣T874
S: ♠QT83 ♥QT ♦AKT6 ♣Q53
N S: 10 11 / 10 11 / H 10 10 / D 10 11 / C 8 8 — 660
E W: 2 2 / 2 2 / H 2 2 / D 2 2 / C 5 5 — -200
15 / 10 2 / 13

21
N/NS
Opt. res. 620
N: ♠A862 ♥Q54 ♦KT9 ♣973
W: ♠QT4 ♥JT3 ♦Q43 ♣AKT5
E: ♠KJ97 ♥962 ♦62 ♣J864
S: ♠53 ♥AK87 ♦AJ875 ♣Q2
N S: 9 9 / 7 7 / H 10 10 / D 10 10 / C 6 6 — 620
E W: 3 3 / 6 6 / H 3 3 / D 3 3 / C 7 7 — 70
9 / 12 5 / 14

22
E/EW
Opt. res. -140
N: ♠K ♥KJ62 ♦872 ♣QT632
W: ♠AQ3 ♥T87543 ♦3 ♣J95
E: ♠T642 ♥AQ ♦KJT9 ♣A84
S: ♠J9875 ♥9 ♦AQ654 ♣K7
N S: 6 6 / 5 5 / H 4 4 / D 7 7 / C 7 7 — 70
E W: 7 7 / 7 7 / H 9 9 / D 5 5 / C 6 6 — 140
9 / 7 14 / 10

23
S/All
Opt. res. -650
N: ♠965 ♥Q6 ♦9652 ♣A974
W: ♠KQJ3 ♥JT4 ♦AK87 ♣J2
E: ♠A7 ♥K982 ♦T4 ♣KQT53
S: ♠T842 ♥A753 ♦QJ3 ♣86
N S: 2 2 / 2 2 / H 2 2 / D 3 4 / C 2 2 — -300
E W: 10 10 / 10 10 / H 11 11 / D 9 9 / C 10 10 — 650
6 / 15 12 / 7

24
W/None
Opt. res. 400
N: ♠53 ♥J976 ♦AT93 ♣K74
W: ♠T874 ♥K843 ♦QJ65 ♣2
E: ♠AJ ♥T52 ♦742 ♣AJ965
S: ♠KQ962 ♥AQ ♦K8 ♣QT83
N S: 9 9 / 8 8 / H 7 7 / D 8 8 / C 8 8 — 400
E W: 4 4 / 4 4 / H 5 5 / D 5 5 / C 4 4 — -100
8 / 6 10 / 16

25
N/EW
Opt. res. 140
N: ♠K75 ♥8 ♦AJT5 ♣QT865
W: ♠2 ♥KJ942 ♦K973 ♣742
E: ♠Q864 ♥A5 ♦8642 ♣AK3
S: ♠AJT93 ♥QT763 ♦Q ♣J9
N S: 8 8 / 9 9 / H 6 6 / D 6 6 / C 8 8 — 140
E W: 5 5 / 4 4 / H 7 7 / D 7 7 / C 5 5 — 80
10 / 7 13 / 10

26
E/All
Opt. res. 200
N: ♠K98754 ♥A7 ♦J ♣7632
W: ♠32 ♥KJT9643 ♦86 ♣Q5
E: ♠J ♥52 ♦AK92 ♣AKJ984
S: ♠AQT6 ♥Q8 ♦QT7543 ♣T
N S: 5 5 / 10 10 / H 3 3 / D 6 6 / C 4 4 — 620
E W: 6 6 / 3 3 / H 10 10 / D 5 5 / C 9 9 — 620
8 / 6 16 / 10

27
S/None
Opt. res. -140
N: ♠JT872 ♥6 ♦J32 ♣KQJ8
W: ♠94 ♥942 ♦KT74 ♣9742
E: ♠AK53 ♥KT753 ♦A95 ♣A
S: ♠Q6 ♥AQJ8 ♦Q86 ♣T653
N S: 6 6 / 7 7 / H 4 4 / D 5 5 / C 7 7 — 80
E W: 6 6 / 6 6 / H 9 8 / D 8 8 / C 5 5 — 140
8 / 3 18 / 11

28
W/NS
Opt. res. 600
N: ♠QJT5 ♥A87653 ♦Q7 ♣K
W: ♠K872 ♥T ♦A532 ♣Q952
E: ♠63 ♥KQ42 ♦J86 ♣T863
S: ♠A94 ♥J9 ♦KT94 ♣AJ74
N S: 9 9 / 9 9 / H 8 9 / D 8 9 / C 7 7 — 600
E W: 4 4 / 4 4 / H 4 4 / D 4 4 / C 6 6 — -50
12 / 9 6 / 13

29
N/All
Opt. res. 650
N: ♠87 ♥AKJT ♦T92 ♣AQ76
W: ♠AKQT2 ♥974 ♦J865 ♣4
E: ♠6543 ♥5 ♦Q743 ♣9852
S: ♠J9 ♥Q8632 ♦AK ♣KJT3
N S: 8 8 / 4 4 / H 11 11 / D 5 5 / C 11 11 — 650
E W: 2 2 / 8 8 / H 2 2 / D 7 7 / C 1 1 — 110
14 / 10 2 / 14

30
E/None
Opt. res. -420
N: ♠942 ♥KQ64 ♦J8 ♣AJ98
W: ♠KQJ73 ♥53 ♦AQ95 ♣Q4
E: ♠AT85 ♥T987 ♦42 ♣KT2
S: ♠6 ♥AJ2 ♦KT763 ♣7653
N S: 5 5 / 3 3 / H 6 6 / D 6 6 / C 8 8 — 90
E W: 8 8 / 10 10 / H 7 7 / D 6 7 / C 5 5 — 420
11 / 14 7 / 8

31
S/NS
Opt. res. 140
N: ♠A94 ♥Q985 ♦K5 ♣J832
W: ♠753 ♥J763 ♦A3 ♣AKT7
E: ♠JT6 ♥K2 ♦9742 ♣Q965
S: ♠KQ82 ♥AT4 ♦QJT86 ♣4
N S: 7 7 / 9 9 / H 9 9 / D 9 9 / C 6 6 — 140
E W: 5 5 / 3 3 / H 3 3 / D 4 4 / C 6 6 — -50
10 / 12 6 / 12

32
W/EW
Opt. res. -1370
N: ♠A ♥KQT543 ♦65 ♣8643
W: ♠73 ♥7 ♦JT732 ♣AKJT9
E: ♠KJT2 ♥A982 ♦AKQ9 ♣Q
S: ♠Q98654 ♥J6 ♦84 ♣752
N S: 1 1 / 3 3 / H 5 5 / D 0 0 / C 1 1 — -100
E W: 11 11 / 10 10 / H 8 8 / D 12 12 / C 12 12 — 1370
9 / 9 19 / 3

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N HPC	E HPC	S HPC	W HPC	|---Voids---|				|--Singletons---|				|- >=7suit -|				|---Balanced----|			
9.03	9.84	11.84	9.28	0	0	0	1	9	10	10	11	0	0	0	1	23	20	20	20