



# 1 N/None Opt. res. -300 ♠ 973 ♥ T ♦ AT954 ♣ AT82 ♠ KQJ54 ♥ J972 ♦ 872 ♣ 5 8 7 13 12 ♠ 82 ♥ A54 ♦ KQJ63 ♣ Q63 N 7 3 2 10 S 7 3 2 10 E 6 10 11 3 W 6 10 11 3 NS 130 EC 7 450	# 2 E/NS Opt. res. -430 ♠ T975 ♥ Q965 ♦ J ♣ JT42 ♠ A84 ♥ J2 ♦ K432 ♣ K853 ♠ K3 ♥ AT74 ♦ T865 ♣ 976 ♠ QJ62 ♥ K83 ♦ AQ97 ♣ AQ 4 11 18 7 N 10 10 10 S 10 10 10 E 7 7 7 W 7 7 7 NS 430 EC 10	# 3 S/EW Opt. res. 90 ♠ Q742 ♥ K86 ♦ AJ632 ♣ A ♠ JT5 ♥ AQT2 ♦ T8 ♣ T975 ♠ 98 ♥ 974 ♦ K94 ♣ KJ832 ♠ AK63 ♥ J53 ♦ Q75 ♣ Q64 14 7 12 7 N 10 10 10 S 10 10 10 E 6 7 7 W 6 7 7 NS 90 EC 6
# 4 W/AI Opt. res. -140 ♠ A2 ♥ K987 ♦ 62 ♣ 97532 ♠ JT953 ♥ AT5 ♦ AT4 ♣ A6 ♠ K764 ♥ QJ4 ♦ QJ83 ♣ QT 7 13 9 11 N 5 4 6 5 S 5 4 6 5 E 8 9 7 8 W 8 9 7 8 NS 140 EC 6	# 5 N/NS Opt. res. 660 ♠ AK ♥ K72 ♦ AQ73 ♣ K975 ♠ Q875 ♥ QJ95 ♦ KT8 ♣ Q3 19 10 1 10 ♠ T632 ♥ AT63 ♦ J9 ♣ AJ8 ♠ J94 ♥ 84 ♦ 6542 ♣ T642 N 10 10 11 S 10 10 11 E 11 10 11 W 11 10 11 NS 660 EC 11	# 6 E/EW Opt. res. 430 ♠ J ♥ J83 ♦ K8753 ♣ JT54 ♠ 6532 ♥ AT5 ♦ QJ6 ♣ A76 ♠ AKQ94 ♥ KQ97 ♦ AT ♣ Q9 6 11 3 20 N 10 10 10 S 10 10 10 E 9 9 9 W 9 9 9 NS 430 EC 4
# 7 S/AI Opt. res. -650 ♠ A6 ♥ QT6 ♦ T842 ♣ KQ93 ♠ KT875 ♥ AJ98 ♦ 9 ♣ A86 ♠ 9432 ♥ 732 ♦ J65 ♣ J52 11 12 15 2 N 2 2 2 4 S 2 2 2 4 E 9 11 10 W 9 11 10 NS 650 EC 4	# 8 W/None Opt. res. 450 ♠ AT ♥ AQJ982 ♦ T93 ♣ 42 ♠ 432 ♥ T743 ♦ 762 ♣ AK7 11 7 9 13 ♠ Q765 ♥ K ♦ Q4 ♣ QT9863 ♠ KJ98 ♥ 65 ♦ AKJ85 ♣ J5 N 11 11 11 S 11 11 11 E 6 6 6 W 6 6 6 NS 450 EC 7	# 9 N/EW Opt. res. -140 ♠ K ♥ 8752 ♦ T86 ♣ KQ754 ♠ QJ972 ♥ 4 ♦ KJ53 ♣ A93 ♠ A654 ♥ Q96 ♦ AQ2 ♣ JT6 8 11 8 13 N 6 4 5 5 S 6 4 5 5 E 8 8 8 W 8 8 8 NS 90 EC 5
# 10 E/AI Opt. res. 140 ♠ Q ♥ K932 ♦ 832 ♣ KQT94 ♠ J753 ♥ A ♦ AQJ65 ♣ 832 10 12 3 15 ♠ 862 ♥ T8654 ♦ K974 ♣ 7 ♠ AKT94 ♥ QJ7 ♦ T ♣ AJ65 N 7 8 9 10 S 7 8 9 10 E 5 3 4 1 W 5 3 4 1 NS 140 EC 10	# 11 S/None Opt. res. 460 ♠ AQ73 ♥ AJ3 ♦ KJ65 ♣ AK ♠ J85 ♥ Q75 ♦ A873 ♣ JT8 22 8 3 7 ♠ T4 ♥ K92 ♦ T94 ♣ 97652 ♠ K962 ♥ T864 ♦ Q2 ♣ Q43 N 11 11 11 S 11 11 11 E 10 10 10 W 10 10 10 NS 460 EC 9	# 12 W/NS Opt. res. 1430 ♠ AJ2 ♥ A7 ♦ A85 ♣ KJ973 ♠ Q643 ♥ T84 ♦ 97 ♣ AT86 17 6 5 12 ♠ T5 ♥ 953 ♦ QJT62 ♣ Q54 ♠ K987 ♥ KQJ62 ♦ K43 ♣ 2 N 11 11 11 S 11 11 11 E 10 10 10 W 10 10 10 NS 1430 EC 3
# 13 N/AI Opt. res. 650 ♠ J4 ♥ A862 ♦ AKT7 ♣ Q97 ♠ KT97 ♥ T5 ♦ 9 ♣ KT8652 ♠ 8632 ♥ J3 ♦ J654 ♣ AJ3 ♠ AQ5 ♥ KQ974 ♦ Q832 ♣ 4 14 6 7 13 N 10 5 11 11 S 7 6 11 11 E 3 7 2 2 W 3 7 2 2 NS 650 EC 8	# 14 E/None Opt. res. 920 ♠ 82 ♥ K532 ♦ AK74 ♣ K76 ♠ AT3 ♥ Q8764 ♦ J8 ♣ JT8 13 8 1 18 ♠ J9654 ♥ T ♦ T62 ♣ 9542 ♠ KQ7 ♥ AJ9 ♦ Q953 ♣ AQ3 N 11 11 11 S 11 11 11 E 10 10 10 W 10 10 10 NS 920 EC 10	# 15 S/NS Opt. res. -120 ♠ AKQ7 ♥ K643 ♦ JT73 ♣ 7 ♠ 8432 ♥ AJ7 ♦ Q95 ♣ AT9 13 11 12 4 ♠ T65 ♥ Q9 ♦ AK86 ♣ K843 ♠ J9 ♥ T852 ♦ 42 ♣ QJ652 N 5 5 5 5 S 5 5 5 5 E 6 6 6 W 6 6 6 NS 80 EC 6
# 16 W/EW Opt. res. 120 ♠ - ♥ KQ95 ♦ 98753 ♣ QT74 ♠ KT7543 ♥ 6 ♦ A2 ♣ KJ32 ♠ J62 ♥ AJT84 ♦ 64 ♣ 986 ♠ AQ98 ♥ 732 ♦ KQJT ♣ A5 7 11 6 16 N 8 6 7 9 S 8 6 7 9 E 3 7 2 2 W 3 7 2 2 NS 120 EC 6	# 17 N/None Opt. res. 460 ♠ QJT5 ♥ Q97 ♦ KT42 ♣ K9 ♠ A9873 ♥ T ♦ 753 ♣ AT84 11 8 5 16 ♠ 62 ♥ J32 ♦ QJ98 ♣ J632 ♠ K4 ♥ AK8654 ♦ A6 ♣ Q75 N 11 11 11 S 11 11 11 E 8 8 8 W 8 8 8 NS 460 EC 6	# 18 E/NS Opt. res. 100 ♠ A973 ♥ 9532 ♦ A2 ♣ AQJ ♠ Q2 ♥ AKJ6 ♦ Q754 ♣ 864 ♠ K54 ♥ Q84 ♦ KT963 ♣ 75 ♠ JT86 ♥ T7 ♦ J8 ♣ KT932 15 12 8 5 N 7 9 9 9 S 7 9 9 9 E 4 4 4 W 4 4 4 NS 140 EC 9

N HPC E HPC S HPC W HPC |---Voids---| |---Singletons---| |->=7suit -| |---Balanced---|

10.21 8.64 11.03 10.12 | 2 2 1 0 | 10 10 6 14 | 1 2 1 0 | 18 20 23 16



<div># 19</div> <div>S/EW</div> <div>Opt. res. 420</div> <div>♠ 64 ♥ J ♦ AKQJ76 ♣ 6542</div> <div>♠ 32 ♥ AT5432 ♦ 54 ♣ K83</div> <div>♠ Q875 ♥ K87 ♦ T92 ♣ JT7</div> <div>♠ AKJT9 ♥ Q96 ♦ 83 ♣ AQ9</div> <div>7 11 6 16</div> <div>♠ 732 ♥ T872 ♦ T853 ♣ 32</div> <div>♠ AQT5 ♥ AKQ ♦ AQ ♣ Q987</div> <div>♠ J9864 ♥ J954 ♦ K74 ♣ 4</div> <div>0 23 5 12</div> <div>♠ K ♥ 63 ♦ J962 ♣ AKJT65</div> <div>N 7 S 7 E 10 W 10 S 10 E 6 W 9 S 420</div> <div>N 1 S 1 E 11 W 11 S 15 E 5 W 5</div> <div>N 11 S 11 E 12 W 12 S 8 E 8 W 8 S 1430</div>	<div># 21</div> <div>N/NS</div> <div>Opt. res. -430</div> <div>♠ JT94 ♥ AKQ7 ♦ KT ♣ A82</div> <div>♠ K73 ♥ J94 ♦ A7532 ♣ K4</div> <div>♠ A865 ♥ 5 ♦ J986 ♣ QJ73</div> <div>♠ Q2 ♥ T8632 ♦ Q4 ♣ T965</div> <div>11 17 8 4</div> <div>N 3 S 3 E 5 W 5 S 5 E 4 W 3</div> <div>N 10 S 10 E 8 W 8 S 8 E 9 W 9 S 430</div>
<div># 22</div> <div>E/EW</div> <div>Opt. res. 420</div> <div>♠ J4 ♥ K2 ♦ AJT72 ♣ KQ93</div> <div>♠ Q986 ♥ AT93 ♦ 63 ♣ A72</div> <div>♠ T75 ♥ Q54 ♦ 854 ♣ J864</div> <div>♠ AK32 ♥ J876 ♦ KQ9 ♣ T5</div> <div>10 14 3 13</div> <div>♠ A4 ♥ AK8432 ♦ AJ4 ♣ 42</div> <div>♠ KT632 ♥ QJT5 ♦ 9 ♣ A65</div> <div>♠ 987 ♥ 7 ♦ 86 ♣ KQJT973</div> <div>♠ QJ5 ♥ 96 ♦ KQT7532 ♣ 8</div> <div>N 8 S 8 E 10 W 10 S 10 E 5 W 5 S 420</div> <div>N 6 S 6 E 5 W 5 S 12 E 4 W 4 S 1370</div> <div>N 2 S 2 E 8 W 8 S 3 E 3 W 3 S 110</div>	<div># 24</div> <div>W/None</div> <div>Opt. res. -460</div> <div>♠ 64 ♥ Q9 ♦ K83 ♣ AQ6543</div> <div>♠ 53 ♥ JT87532 ♦ 9742 ♣ -</div> <div>♠ AKQT2 ♥ K4 ♦ AQJ ♣ T92</div> <div>♠ J987 ♥ A6 ♦ T65 ♣ KJ87</div> <div>1 11 19 9</div> <div>N 2 S 2 E 2 W 2 S 7 E 3 W 3 S 80</div> <div>N 11 S 11 E 9 W 9 S 6 E 6 W 6 S 11</div>
<div># 25</div> <div>N/EW</div> <div>Opt. res. 140</div> <div>♠ A8 ♥ K92 ♦ KJ9652 ♣ JT</div> <div>♠ T764 ♥ AQT7 ♦ 4 ♣ 8752</div> <div>♠ J95 ♥ J543 ♦ Q87 ♣ AQ4</div> <div>♠ KQ32 ♥ 86 ♦ AT3 ♣ K963</div> <div>6 12 10 12</div> <div>♠ QJ85 ♥ 87 ♦ A62 ♣ 9764</div> <div>♠ 62 ♥ KT954 ♦ Q8543 ♣ 5</div> <div>♠ A9743 ♥ J63 ♦ K97 ♣ KJ</div> <div>♠ KT ♥ AQ2 ♦ JT ♣ AQT832</div> <div>N 5 S 5 E 9 W 9 S 6 E 5 W 5 S 140</div> <div>N 8 S 8 E 7 W 7 S 4 E 4 W 4 S 600</div> <div>N 3 S 3 E 6 W 6 S 8 E 8 W 8 S 110</div>	<div># 27</div> <div>S/None</div> <div>Opt. res. -100</div> <div>♠ AQ6 ♥ JT97 ♦ J8753 ♣ 5</div> <div>♠ KJ42 ♥ K ♦ KQT ♣ KT432</div> <div>♠ 53 ♥ A863 ♦ A9642 ♣ A7</div> <div>♠ T987 ♥ Q542 ♦ - ♣ QJ986</div> <div>15 8 12 5</div> <div>N 7 S 7 E 5 W 5 S 9 E 3 W 3 S 140</div> <div>N 6 S 6 E 4 W 4 S 8 E 8 W 8 S 130</div>
<div># 28</div> <div>W/NS</div> <div>Opt. res. 100</div> <div>♠ AQ9643 ♥ 94 ♦ QT87 ♣ 5</div> <div>♠ J8752 ♥ K5 ♦ AK2 ♣ Q43</div> <div>♠ - ♥ J87 ♦ 953 ♣ AKJ9872</div> <div>♠ KT ♥ AQT632 ♦ J64 ♣ T6</div> <div>13 8 9 10</div> <div>♠ 8 ♥ 92 ♦ AQ652 ♣ 86532</div> <div>♠ 97543 ♥ QT765 ♦ T3 ♣ T</div> <div>♠ KQJ62 ♥ K ♦ KJ84 ♣ KQ4</div> <div>♠ AT ♥ AJ843 ♦ 97 ♣ AJ97</div> <div>N 8 S 8 E 6 W 6 S 8 E 5 W 5 S 120</div> <div>N 7 S 7 E 4 W 4 S 8 E 8 W 8 S 110</div> <div>N 6 S 6 E 9 W 9 S 3 E 3 W 3 S 140</div>	<div># 30</div> <div>E/None</div> <div>Opt. res. -980</div> <div>♠ T5 ♥ A72 ♦ AKJ5 ♣ AQ73</div> <div>♠ K43 ♥ J643 ♦ 82 ♣ T652</div> <div>♠ AQ9872 ♥ T985 ♦ Q3 ♣ K</div> <div>♠ J6 ♥ KQ ♦ T9764 ♣ J984</div> <div>4 18 11 7</div> <div>N 1 S 1 E 1 W 1 S 2 E 2 W 2 S 2</div> <div>N 11 S 11 E 12 W 12 S 11 E 11 W 11 S 980</div>
<div># 31</div> <div>S/NS</div> <div>Opt. res. -450</div> <div>♠ J64 ♥ AQ876 ♦ AT87 ♣ 7</div> <div>♠ K32 ♥ K943 ♦ 94 ♣ T653</div> <div>♠ AQT87 ♥ JT2 ♦ 5 ♣ A842</div> <div>♠ 95 ♥ 5 ♦ KQJ632 ♣ KQJ9</div> <div>6 11 11 12</div> <div>♠ 65 ♥ J3 ♦ AKT3 ♣ QJT73</div> <div>♠ 62 ♥ KT52 ♦ Q974 ♣ A82</div> <div>♠ AJT873 ♥ A94 ♦ J8 ♣ 54</div> <div>♠ Q94 ♥ Q876 ♦ 652 ♣ K96</div> <div>N 2 S 2 E 2 W 2 S 15 E 6 W 6 S 6</div> <div>N 3 S 3 E 4 W 4 S 6 E 7 W 7 S 70</div> <div>N 7 S 7 E 10 W 10 S 9 E 9 W 9 S 620</div>	<div># 33</div> <div>N/None</div> <div>Opt. res. 990</div> <div>♠ 983 ♥ 53 ♦ J98742 ♣ 43</div> <div>♠ QT5 ♥ QJ87 ♦ KT ♣ AQT9</div> <div>♠ A72 ♥ KT642 ♦ 5 ♣ 8652</div> <div>♠ KJ64 ♥ A9 ♦ AQ63 ♣ KJ7</div> <div>14 1 7 18</div> <div>N 12 S 12 E 12 W 12 S 10 E 10 W 10 S 990</div> <div>N 1 S 1 E 3 W 3 S 3 E 3 W 3 S 1</div>

N HPC	E HPC	S HPC	W HPC	---Voids---				--Singletons---				- >=7suit -				---Balanced----			
10.21	8.64	11.03	10.12	2	2	1	0	10	10	6	14	1	2	1	0	18	20	23	16