

Dir: North
Vul: None

Optimum
3S* N 8

♠ A 7 6 4 2
♥ 6 4
♦ Q 3 2
♣ A K 4

♠ Q 9
♥ K Q 5 3 2
♦ J 9 6 5
♣ 6 5

NORTH
WEST SOUTH EAST
1

♠ K 8 5
♥ 8
♦ A K 10 8 7 4
♣ Q J 8

♣ ♦ ♥ ♠ N
N 3 - 1 2 1
S 3 - 1 2 -
E - 3 - - -
W - 3 - - -

13
8 13
6

♠ J 10 3
♥ A J 10 9 7
♦ --
♣ 10 9 7 3 2

Dir: North
Vul: None

Optimum
3S* N 8

♠ A 7 6 4 2
♥ 6 4
♦ Q 3 2
♣ A K 4

♠ Q 9
♥ K Q 5 3 2
♦ J 9 6 5
♣ 6 5

NORTH
WEST SOUTH EAST
5

♠ K 8 5
♥ 8
♦ A K 10 8 7 4
♣ Q J 8

♣ ♦ ♥ ♠ N
N 3 - 1 2 1
S 3 - 1 2 -
E - 3 - - -
W - 3 - - -

13
8 13
6

♠ J 10 3
♥ A J 10 9 7
♦ --
♣ 10 9 7 3 2

Dir: West
Vul: None

Optimum
5C* N 10

♠ J 10 2
♥ 6 2
♦ K 7 4
♣ K Q 9 3 2

♠ Q 6 5
♥ Q 7 5 4
♦ A 8 6 5
♣ 10 6

NORTH
WEST SOUTH EAST
9

♠ 8 4 3
♥ A J 10 9 8 3
♦ Q J 9 2
♣ --

♣ ♦ ♥ ♠ N
N 4 - - 2 -
S 4 - - 2 -
E - 4 4 - -
W - 4 4 - -

9
8 8
15

♠ A K 9 7
♥ K
♦ 10 3
♣ A J 8 7 5 4

Dir: West
Vul: None

Optimum
5C* N 10

♠ J 10 2
♥ 6 2
♦ K 7 4
♣ K Q 9 3 2

♠ Q 6 5
♥ Q 7 5 4
♦ A 8 6 5
♣ 10 6

NORTH
WEST SOUTH EAST
13

♠ 8 4 3
♥ A J 10 9 8 3
♦ Q J 9 2
♣ --

♣ ♦ ♥ ♠ N
N 4 - - 2 -
S 4 - - 2 -
E - 4 4 - -
W - 4 4 - -

9
8 8
15

♠ A K 9 7
♥ K
♦ 10 3
♣ A J 8 7 5 4

Dir: East
Vul: N/S

Optimum
6N S 12

♠ A
♥ A 10 9 7 5 4
♦ Q 3
♣ K Q 7 2

♠ 10 9 8 6 5
♥ K 3
♦ K 9 6 5 4
♣ 3

NORTH			
WEST	2		EAST
SOUTH			

♠ J 2
♥ J 8 6
♦ 10 7 2
♣ 10 9 8 6 4

♣♦♥♠N					
N	5	2	6	4	5
S	5	2	6	4	6
E	-	-	-	-	-
W	-	-	-	-	-

15	
6	2
17	

♠ K Q 7 4 3
♥ Q 2
♦ A J 8
♣ A J 5

Dir: East
Vul: N/S

Optimum
6N S 12

♠ A
♥ A 10 9 7 5 4
♦ Q 3
♣ K Q 7 2

♠ 10 9 8 6 5
♥ K 3
♦ K 9 6 5 4
♣ 3

NORTH			
WEST	6		EAST
SOUTH			

♠ J 2
♥ J 8 6
♦ 10 7 2
♣ 10 9 8 6 4

♣♦♥♠N					
N	5	2	6	4	5
S	5	2	6	4	6
E	-	-	-	-	-
W	-	-	-	-	-

15	
6	2
17	

♠ K Q 7 4 3
♥ Q 2
♦ A J 8
♣ A J 5

Dir: West
Vul: N/S

Optimum
5D S 11

♠ 9 4
♥ 10 6
♦ 10 9 6 5 4
♣ A Q 9 6

♠ K 8
♥ A J 9 5 4 2
♦ K 8
♣ J 5 3

NORTH			
WEST	10		EAST
SOUTH			

♠ J 10 7 5 2
♥ 8 7 3
♦ J 3
♣ 8 7 4

♣♦♥♠N					
N	4	4	-	2	2
S	4	5	-	2	2
E	-	-	1	-	-
W	-	-	1	-	-

6	
12	2
20	

♠ A Q 6 3
♥ K Q
♦ A Q 7 2
♣ K 10 2

Dir: West
Vul: N/S

Optimum
5D S 11

♠ 9 4
♥ 10 6
♦ 10 9 6 5 4
♣ A Q 9 6

♠ K 8
♥ A J 9 5 4 2
♦ K 8
♣ J 5 3

NORTH			
WEST	14		EAST
SOUTH			

♠ J 10 7 5 2
♥ 8 7 3
♦ J 3
♣ 8 7 4

♣♦♥♠N					
N	4	4	-	2	2
S	4	5	-	2	2
E	-	-	1	-	-
W	-	-	1	-	-

6	
12	2
20	

♠ A Q 6 3
♥ K Q
♦ A Q 7 2
♣ K 10 2

Dir: South
Vul: E/W

Optimum
5D* S 8

♠ 6 4 3
♥ Q J 8
♦ A K 9 7 2
♣ 3 2

♠ Q J 8 7 5 2
♥ 10 7 6 3
♦ 8
♣ 10 4

NORTH
WEST 3 EAST
SOUTH

♠ A K
♥ K 9 4
♦ 10
♣ A K J 9 8 7 5

♠ 10 9
♥ A 5 2
♦ Q J 6 5 4 3
♣ Q 6

	♣	♦	♥	♠	N
N	-	2	-	-	-
S	-	2	-	-	-
E	3	-	2	4	-
W	3	-	2	4	-

3 10 18
9

Dir: South
Vul: E/W

Optimum
5D* S 8

♠ 6 4 3
♥ Q J 8
♦ A K 9 7 2
♣ 3 2

♠ Q J 8 7 5 2
♥ 10 7 6 3
♦ 8
♣ 10 4

NORTH
WEST 7 EAST
SOUTH

♠ A K
♥ K 9 4
♦ 10
♣ A K J 9 8 7 5

♠ 10 9
♥ A 5 2
♦ Q J 6 5 4 3
♣ Q 6

	♣	♦	♥	♠	N
N	-	2	-	-	-
S	-	2	-	-	-
E	3	-	2	4	-
W	3	-	2	4	-

3 10 18
9

Dir: East
Vul: E/W

Optimum
4N E 10

♠ 9 2
♥ 10 8 5 2
♦ A Q 4
♣ 9 8 7 2

♠ K J 7 5
♥ A 9
♦ J 9 8
♣ J 6 5 4

NORTH
WEST 11 EAST
SOUTH

♠ A 8 6
♥ Q J 7 6
♦ K 10 7 3
♣ A 10

♠ Q 10 4 3
♥ K 4 3
♦ 6 5 2
♣ K Q 3

	♣	♦	♥	♠	N
N	-	-	-	-	-
S	-	-	-	-	-
E	3	5	3	4	4
W	3	4	3	4	4

6 10 14
10

Dir: East
Vul: E/W

Optimum
4N E 10

♠ 9 2
♥ 10 8 5 2
♦ A Q 4
♣ 9 8 7 2

♠ K J 7 5
♥ A 9
♦ J 9 8
♣ J 6 5 4

NORTH
WEST 15 EAST
SOUTH

♠ A 8 6
♥ Q J 7 6
♦ K 10 7 3
♣ A 10

♠ Q 10 4 3
♥ K 4 3
♦ 6 5 2
♣ K Q 3

	♣	♦	♥	♠	N
N	-	-	-	-	-
S	-	-	-	-	-
E	3	5	3	4	4
W	3	4	3	4	4

6 10 14
10

Dir: West
Vul: All

Optimum
5D N 11

♠ A K 10 5
♥ J 6 4
♦ A 9 7 6
♣ 10 9

♠ J 9 8 4 3 2
♥ 10 9 3 2
♦ 3
♣ K 3

NORTH
WEST 4 EAST
SOUTH

♠ Q 7 6
♥ Q 8 7 5
♦ K 4
♣ Q J 8 2

♠ --
♥ A K
♦ Q J 10 8 5 2
♣ A 7 6 5 4

		♣	♦	♥	♠	N
N	3	5	1	1	3	
S	3	5	1	1	3	
E	-	-	-	-	-	
W	-	-	-	-	-	

4 12 10 14

Dir: West
Vul: All

Optimum
5D N 11

♠ A K 10 5
♥ J 6 4
♦ A 9 7 6
♣ 10 9

♠ J 9 8 4 3 2
♥ 10 9 3 2
♦ 3
♣ K 3

NORTH
WEST 8 EAST
SOUTH

♠ Q 7 6
♥ Q 8 7 5
♦ K 4
♣ Q J 8 2

♠ --
♥ A K
♦ Q J 10 8 5 2
♣ A 7 6 5 4

		♣	♦	♥	♠	N
N	3	5	1	1	3	
S	3	5	1	1	3	
E	-	-	-	-	-	
W	-	-	-	-	-	

4 12 10 14

Dir: South
Vul: All

Optimum
5H S 11

♠ 5
♥ J 6 3 2
♦ Q J 10 5 3
♣ A 6 3

♠ 9 6 4
♥ 5 4
♦ A 6 4 2
♣ K 10 8 5

NORTH
WEST 12 EAST
SOUTH

♠ K J 8 7 3
♥ 10 7
♦ K 9 7
♣ J 7 2

♠ A Q 10 2
♥ A K Q 9 8
♦ 8
♣ Q 9 4

		♣	♦	♥	♠	N
N	2	3	5	2	2	
S	2	3	5	2	3	
E	-	-	-	-	-	
W	-	-	-	-	-	

7 8 8 17

Dir: South
Vul: All

Optimum
5H S 11

♠ 5
♥ J 6 3 2
♦ Q J 10 5 3
♣ A 6 3

♠ 9 6 4
♥ 5 4
♦ A 6 4 2
♣ K 10 8 5

NORTH
WEST 16 EAST
SOUTH

♠ K J 8 7 3
♥ 10 7
♦ K 9 7
♣ J 7 2

♠ A Q 10 2
♥ A K Q 9 8
♦ 8
♣ Q 9 4

		♣	♦	♥	♠	N
N	2	3	5	2	2	
S	2	3	5	2	3	
E	-	-	-	-	-	
W	-	-	-	-	-	

7 8 8 17

Dir: North
Vul: None

Optimum
6N S 12

♠ A 7 4
♥ A 9 8 5 4
♦ A K 3
♣ A 8

♠ J
♥ K 3
♦ Q J 8 5 2
♣ K 10 7 6 2

NORTH
WEST 1 EAST
SOUTH

♠ K 6 5 3
♥ 10 7 2
♦ 10 7 6
♣ J 5 4

19 10 4 7

♠ Q 10 9 8 2
♥ Q J 6
♦ 9 4
♣ Q 9 3

♣	♦	♥	♠	N
N	1	-	4	5 5
S	2	-	5	6 6
E	-	-	-	-
W	-	-	-	-

Dir: North
Vul: None

Optimum
6N S 12

♠ A 7 4
♥ A 9 8 5 4
♦ A K 3
♣ A 8

♠ J
♥ K 3
♦ Q J 8 5 2
♣ K 10 7 6 2

NORTH
WEST 5 EAST
SOUTH

♠ K 6 5 3
♥ 10 7 2
♦ 10 7 6
♣ J 5 4

19 10 4 7

♠ Q 10 9 8 2
♥ Q J 6
♦ 9 4
♣ Q 9 3

♣	♦	♥	♠	N
N	1	-	4	5 5
S	2	-	5	6 6
E	-	-	-	-
W	-	-	-	-

Dir: North
Vul: None

Optimum
6N S 12

♠ A 7 4
♥ A 9 8 5 4
♦ A K 3
♣ A 8

♠ J
♥ K 3
♦ Q J 8 5 2
♣ K 10 7 6 2

NORTH
WEST 9 EAST
SOUTH

♠ K 6 5 3
♥ 10 7 2
♦ 10 7 6
♣ J 5 4

19 10 4 7

♠ Q 10 9 8 2
♥ Q J 6
♦ 9 4
♣ Q 9 3

♣	♦	♥	♠	N
N	1	-	4	5 5
S	2	-	5	6 6
E	-	-	-	-
W	-	-	-	-

Dir: East
Vul: N/S

Optimum
5H E 11

♠ Q 10 4
♥ 9 8
♦ A 9 7
♣ A Q J 9 2

♠ A J 8 5 3 2
♥ A
♦ K J 8
♣ K 7 4

NORTH
WEST 2 EAST
SOUTH

♠ 6
♥ K Q 10 7 4 3 2
♦ Q 10 6 4
♣ 3

13 16 7 4

♠ K 9 7
♥ J 6 5
♦ 5 3 2
♣ 10 8 6 5

♣	♦	♥	♠	N	
N	1	-	-	-	
S	1	-	-	-	
E	-	3	5	2	
W	-	5	5	2	1

Dir: East
Vul: N/S

Optimum
5H E 11

♠ Q 10 4
♥ 9 8
♦ A 9 7
♣ A Q J 9 2

♠ A J 8 5 3 2
♥ A
♦ K J 8
♣ K 7 4

NORTH
WEST 6 EAST
SOUTH

♠ 6
♥ K Q 10 7 4 3 2
♦ Q 10 6 4
♣ 3

13 16 7 4

♠ K 9 7
♥ J 6 5
♦ 5 3 2
♣ 10 8 6 5

♣	♦	♥	♠	N	
N	1	-	-	-	
S	1	-	-	-	
E	-	3	5	2	
W	-	5	5	2	1

Dir: East
Vul: N/S

Optimum
5H E 11

♠ Q 10 4
♥ 9 8
♦ A 9 7
♣ A Q J 9 2

♠ A J 8 5 3 2
♥ A
♦ K J 8
♣ K 7 4

NORTH
WEST 10 EAST
SOUTH

♠ 6
♥ K Q 10 7 4 3 2
♦ Q 10 6 4
♣ 3

13 16 7 4

♠ K 9 7
♥ J 6 5
♦ 5 3 2
♣ 10 8 6 5

♣	♦	♥	♠	N	
N	1	-	-	-	
S	1	-	-	-	
E	-	3	5	2	
W	-	5	5	2	1

Dir: South
Vul: E/W

♠ K 9 8 3
♥ 8 5 3
♦ Q 10 2
♣ A Q 5

Optimum
5C* S 8

♠ A 6 5
♥ K Q 9 6 4
♦ K J 7 3
♣ K

NORTH
WEST SOUTH EAST
3

♠ Q 10 4 2
♥ A J 10
♦ A 8 6
♣ 9 8 4

♠ J 7
♥ 7 2
♦ 9 5 4
♣ J 10 7 6 3 2

♣♦♥♠N				
N	2	-	-	-
S	2	-	-	-
E	-	4	4	4
W	-	4	4	4

11 11 2

Dir: South
Vul: E/W

♠ K 9 8 3
♥ 8 5 3
♦ Q 10 2
♣ A Q 5

Optimum
5C* S 8

♠ A 6 5
♥ K Q 9 6 4
♦ K J 7 3
♣ K

NORTH
WEST SOUTH EAST
7

♠ Q 10 4 2
♥ A J 10
♦ A 8 6
♣ 9 8 4

♠ J 7
♥ 7 2
♦ 9 5 4
♣ J 10 7 6 3 2

♣♦♥♠N				
N	2	-	-	-
S	2	-	-	-
E	-	4	4	4
W	-	4	4	4

11 11 2

Dir: South
Vul: E/W

♠ K 9 8 3
♥ 8 5 3
♦ Q 10 2
♣ A Q 5

Optimum
5C* S 8

♠ A 6 5
♥ K Q 9 6 4
♦ K J 7 3
♣ K

NORTH
WEST SOUTH EAST
11

♠ Q 10 4 2
♥ A J 10
♦ A 8 6
♣ 9 8 4

♠ J 7
♥ 7 2
♦ 9 5 4
♣ J 10 7 6 3 2

♣♦♥♠N				
N	2	-	-	-
S	2	-	-	-
E	-	4	4	4
W	-	4	4	4

11 11 2

Dir: West
Vul: All

♠ 9 7
♥ A Q 8 7
♦ A Q 10 8
♣ A 8 3

Optimum
6N N 12

♠ 10 5
♥ 10 9 5 4
♦ J 7 3 2
♣ J 6 4

NORTH
WEST SOUTH EAST
4

♠ A 8 6 4 2
♥ J
♦ 9 5 4
♣ 10 9 5 2

♠ K Q J 3
♥ K 6 3 2
♦ K 6
♣ K Q 7

♣♦♥♠N				
N	5	6	6	5
S	5	6	6	5
E	-	-	-	-
W	-	-	-	-

16 2 5 17

Dir: West
Vul: All

♠ 9 7
♥ A Q 8 7
♦ A Q 10 8
♣ A 8 3

Optimum
6N N 12

♠ 10 5
♥ 10 9 5 4
♦ J 7 3 2
♣ J 6 4

NORTH
WEST SOUTH EAST
8

♠ A 8 6 4 2
♥ J
♦ 9 5 4
♣ 10 9 5 2

♠ K Q J 3
♥ K 6 3 2
♦ K 6
♣ K Q 7

♣♦♥♠N				
N	5	6	6	5
S	5	6	6	5
E	-	-	-	-
W	-	-	-	-

16 2 5 17

Dir: West
Vul: All

♠ 9 7
♥ A Q 8 7
♦ A Q 10 8
♣ A 8 3

Optimum
6N N 12

♠ 10 5
♥ 10 9 5 4
♦ J 7 3 2
♣ J 6 4

NORTH
WEST SOUTH EAST
12

♠ A 8 6 4 2
♥ J
♦ 9 5 4
♣ 10 9 5 2

♠ K Q J 3
♥ K 6 3 2
♦ K 6
♣ K Q 7

♣♦♥♠N				
N	5	6	6	5
S	5	6	6	5
E	-	-	-	-
W	-	-	-	-

16 2 5 17

Dir: West
Vul: None

Optimum
5N W 11

♠ 4 2
♥ K 8 5 4
♦ K 6 5 4
♣ 8 5 2

♠ AK 10 7 6
♥ Q J 2
♦ J 8
♣ A J 4

NORTH
WEST 1 EAST
SOUTH

♠ Q 5
♥ 10 7 6 3
♦ A 7
♣ K Q 10 6 3

6 11
18 7

♠ J 9 8 3
♥ A 9
♦ Q 10 9 3 2
♣ 9 7

♣	♦	♥	♠	N	
-	-	-	-	-	
N	-	-	-	-	
S	-	-	-	-	
E	4	-	4	4	5
W	4	-	4	4	5

Dir: West
Vul: None

Optimum
5N W 11

♠ 4 2
♥ K 8 5 4
♦ K 6 5 4
♣ 8 5 2

♠ AK 10 7 6
♥ Q J 2
♦ J 8
♣ A J 4

NORTH
WEST 5 EAST
SOUTH

♠ Q 5
♥ 10 7 6 3
♦ A 7
♣ K Q 10 6 3

6 11
18 7

♠ J 9 8 3
♥ A 9
♦ Q 10 9 3 2
♣ 9 7

♣	♦	♥	♠	N	
-	-	-	-	-	
N	-	-	-	-	
S	-	-	-	-	
E	4	-	4	4	5
W	4	-	4	4	5

Dir: West
Vul: None

Optimum
5N W 11

♠ 4 2
♥ K 8 5 4
♦ K 6 5 4
♣ 8 5 2

♠ AK 10 7 6
♥ Q J 2
♦ J 8
♣ A J 4

NORTH
WEST 9 EAST
SOUTH

♠ Q 5
♥ 10 7 6 3
♦ A 7
♣ K Q 10 6 3

6 11
18 7

♠ J 9 8 3
♥ A 9
♦ Q 10 9 3 2
♣ 9 7

♣	♦	♥	♠	N	
-	-	-	-	-	
N	-	-	-	-	
S	-	-	-	-	
E	4	-	4	4	5
W	4	-	4	4	5

Dir: West
Vul: None

Optimum
5N W 11

♠ 4 2
♥ K 8 5 4
♦ K 6 5 4
♣ 8 5 2

♠ AK 10 7 6
♥ Q J 2
♦ J 8
♣ A J 4

NORTH
WEST 13 EAST
SOUTH

♠ Q 5
♥ 10 7 6 3
♦ A 7
♣ K Q 10 6 3

6 11
18 7

♠ J 9 8 3
♥ A 9
♦ Q 10 9 3 2
♣ 9 7

♣	♦	♥	♠	N	
-	-	-	-	-	
N	-	-	-	-	
S	-	-	-	-	
E	4	-	4	4	5
W	4	-	4	4	5

Dir: West
Vul: N/S

Optimum
5D* W 10

♠ A 10 4
♥ J 5
♦ J 9
♣ K Q J 7 5 4

♠ Q J 9 8
♥ K 7 6 3
♦ A Q 10 5
♣ 6

NORTH
WEST 2 EAST
SOUTH

♠ 6 5 2
♥ 9
♦ K 8 7 6 4 3 2
♣ A 2

12 7
12 9

♠ K 7 3
♥ A Q 10 8 4 2
♦ --
♣ 10 9 8 3

♣	♦	♥	♠	N	
4	-	-	-	-	
N	4	-	-	-	
S	5	-	-	-	
E	-	4	-	1	2
W	-	4	-	1	2

Dir: West
Vul: N/S

Optimum
5D* W 10

♠ A 10 4
♥ J 5
♦ J 9
♣ K Q J 7 5 4

♠ Q J 9 8
♥ K 7 6 3
♦ A Q 10 5
♣ 6

NORTH
WEST 6 EAST
SOUTH

♠ 6 5 2
♥ 9
♦ K 8 7 6 4 3 2
♣ A 2

12 7
12 9

♠ K 7 3
♥ A Q 10 8 4 2
♦ --
♣ 10 9 8 3

♣	♦	♥	♠	N	
4	-	-	-	-	
N	4	-	-	-	
S	5	-	-	-	
E	-	4	-	1	2
W	-	4	-	1	2

Dir: West
Vul: N/S

Optimum
5D* W 10

♠ A 10 4
♥ J 5
♦ J 9
♣ K Q J 7 5 4

♠ Q J 9 8
♥ K 7 6 3
♦ A Q 10 5
♣ 6

NORTH
WEST 10 EAST
SOUTH

♠ 6 5 2
♥ 9
♦ K 8 7 6 4 3 2
♣ A 2

12 7
12 9

♠ K 7 3
♥ A Q 10 8 4 2
♦ --
♣ 10 9 8 3

♣	♦	♥	♠	N	
4	-	-	-	-	
N	4	-	-	-	
S	5	-	-	-	
E	-	4	-	1	2
W	-	4	-	1	2

Dir: West
Vul: N/S

Optimum
5D* W 10

♠ A 10 4
♥ J 5
♦ J 9
♣ K Q J 7 5 4

♠ Q J 9 8
♥ K 7 6 3
♦ A Q 10 5
♣ 6

NORTH
WEST 14 EAST
SOUTH

♠ 6 5 2
♥ 9
♦ K 8 7 6 4 3 2
♣ A 2

12 7
12 9

♠ K 7 3
♥ A Q 10 8 4 2
♦ --
♣ 10 9 8 3

♣	♦	♥	♠	N	
4	-	-	-	-	
N	4	-	-	-	
S	5	-	-	-	
E	-	4	-	1	2
W	-	4	-	1	2

Dir: West
Vul: E/W

♠ A K 6
♥ A 8 6
♦ Q 2
♣ K J 10 7 6

Optimum
4N N 10

♠ Q J 4 3 2
♥ J 10 7 5
♦ 10 8
♣ 8 5

NORTH		EAST	
3			
WEST		SOUTH	

♠ 10 8 7
♥ K 4 2
♦ A J 9 3
♣ Q 9 4

♣♦♥♠N					
N	5	4	3	1	4
S	5	3	3	1	4
E	-	-	-	-	-
W	-	-	-	-	-

17	
4	10
9	

♠ 9 5
♥ Q 9 3
♦ K 7 6 5 4
♣ A 3 2

Dir: West
Vul: E/W

♠ A K 6
♥ A 8 6
♦ Q 2
♣ K J 10 7 6

Optimum
4N N 10

♠ Q J 4 3 2
♥ J 10 7 5
♦ 10 8
♣ 8 5

NORTH		EAST	
7			
WEST		SOUTH	

♠ 10 8 7
♥ K 4 2
♦ A J 9 3
♣ Q 9 4

♣♦♥♠N					
N	5	4	3	1	4
S	5	3	3	1	4
E	-	-	-	-	-
W	-	-	-	-	-

17	
4	10
9	

♠ 9 5
♥ Q 9 3
♦ K 7 6 5 4
♣ A 3 2

Dir: West
Vul: E/W

♠ A K 6
♥ A 8 6
♦ Q 2
♣ K J 10 7 6

Optimum
4N N 10

♠ Q J 4 3 2
♥ J 10 7 5
♦ 10 8
♣ 8 5

NORTH		EAST	
11			
WEST		SOUTH	

♠ 10 8 7
♥ K 4 2
♦ A J 9 3
♣ Q 9 4

♣♦♥♠N					
N	5	4	3	1	4
S	5	3	3	1	4
E	-	-	-	-	-
W	-	-	-	-	-

17	
4	10
9	

♠ 9 5
♥ Q 9 3
♦ K 7 6 5 4
♣ A 3 2

Dir: West
Vul: E/W

♠ A K 6
♥ A 8 6
♦ Q 2
♣ K J 10 7 6

Optimum
4N N 10

♠ Q J 4 3 2
♥ J 10 7 5
♦ 10 8
♣ 8 5

NORTH		EAST	
15			
WEST		SOUTH	

♠ 10 8 7
♥ K 4 2
♦ A J 9 3
♣ Q 9 4

♣♦♥♠N					
N	5	4	3	1	4
S	5	3	3	1	4
E	-	-	-	-	-
W	-	-	-	-	-

17	
4	10
9	

♠ 9 5
♥ Q 9 3
♦ K 7 6 5 4
♣ A 3 2

Dir: West
Vul: All

♠ J
♥ 8 6
♦ A Q 9 8 4
♣ A K J 7 2

Optimum
7N N 13

♠ 7 6 5 4
♥ 10 3 2
♦ 10 7 6
♣ Q 10 6

NORTH		EAST	
4			
WEST		SOUTH	

♠ K Q 10 8 2
♥ K Q 9 5 4
♦ --
♣ 8 5 3

♣♦♥♠N					
N	7	7	1	1	7
S	6	7	1	1	7
E	-	-	-	-	-
W	-	-	-	-	-

15	
2	10
13	

♠ A 9 3
♥ A J 7
♦ K J 5 3 2
♣ 9 4

Dir: West
Vul: All

♠ J
♥ 8 6
♦ A Q 9 8 4
♣ A K J 7 2

Optimum
7N N 13

♠ 7 6 5 4
♥ 10 3 2
♦ 10 7 6
♣ Q 10 6

NORTH		EAST	
8			
WEST		SOUTH	

♠ K Q 10 8 2
♥ K Q 9 5 4
♦ --
♣ 8 5 3

♣♦♥♠N					
N	7	7	1	1	7
S	6	7	1	1	7
E	-	-	-	-	-
W	-	-	-	-	-

15	
2	10
13	

♠ A 9 3
♥ A J 7
♦ K J 5 3 2
♣ 9 4

Dir: West
Vul: All

♠ J
♥ 8 6
♦ A Q 9 8 4
♣ A K J 7 2

Optimum
7N N 13

♠ 7 6 5 4
♥ 10 3 2
♦ 10 7 6
♣ Q 10 6

NORTH		EAST	
12			
WEST		SOUTH	

♠ K Q 10 8 2
♥ K Q 9 5 4
♦ --
♣ 8 5 3

♣♦♥♠N					
N	7	7	1	1	7
S	6	7	1	1	7
E	-	-	-	-	-
W	-	-	-	-	-

15	
2	10
13	

♠ A 9 3
♥ A J 7
♦ K J 5 3 2
♣ 9 4

Dir: West
Vul: All

♠ J
♥ 8 6
♦ A Q 9 8 4
♣ A K J 7 2

Optimum
7N N 13

♠ 7 6 5 4
♥ 10 3 2
♦ 10 7 6
♣ Q 10 6

NORTH		EAST	
16			
WEST		SOUTH	

♠ K Q 10 8 2
♥ K Q 9 5 4
♦ --
♣ 8 5 3

♣♦♥♠N					
N	7	7	1	1	7
S	6	7	1	1	7
E	-	-	-	-	-
W	-	-	-	-	-

15	
2	10
13	

♠ A 9 3
♥ A J 7
♦ K J 5 3 2
♣ 9 4

1 5 9 11
2 6 10 14
3 7 11 15
4 8 12 16