1. West deals, None vul  
♣ K Q 5 2  
♥ K 5  
♦ A J 8  
♠ A J 9 6

2. West deals, N-S vul  
♣ 2  
♥ A 10 6 4  
♦ A 9 3  
♠ J 10 7 4 2

3. West deals, E-W vul  
♣ K 6  
♥ K Q 10 6  
♦ A 6 5  
♠ A Q 9 2

4. West deals, Both vul  
♣ K J 7 5  
♥ A K 9 6  
♦ A 6 5  
♠ K 5

5. West deals, N-S vul  
♣ Q 7 5  
♥ A 2  
♦ K 10 2  
♠ A K 9 7 2

6. West deals, E-W vul  
♣ 8 5 3 2  
♥ A 9 8 7  
♦ 6 4 3  
♠ K 7

7. West deals, Both vul  
♣ A J 10 9 5  
♥ Q J 3  
♦ A 5 3  
♠ A 8

8. West deals, None vul  
♣ K J 10  
♥ A J 8 6 5  
♦ A 4  
♠ K 8 6

9. West deals, E-W vul  
♣ K J  
♥ A 6 3  
♦ K Q 2  
♠ K 7 6 3 2

10. West deals, Both vul  
♣ A J 3 2  
♥ A 3  
♦ A J 10  
♠ A Q 7 3

11. West deals, None vul  
♣ 2  
♥ 10 9 8 5  
♦ J 10 9 7  
♠ A Q J 7

12. West deals, N-S vul  
♣ Q J 5  
♥ J 4  
♦ A K J 6 4  
♠ A Q 5

13. West deals, Both vul  
♣ A 9 3  
♥ A J 3  
♦ Q 9 7  
♠ A K 7 2

14. West deals, None vul  
♣ A K Q  
♥ J 2  
♦ 5 4 3  
♠ A K 10 9 7

15. West deals, N-S vul  
♣ K J 6 5 4  
♥ Q 10 6  
♦ 9 7 5 4  
♠ 8

16. West deals, E-W vul  
♣ Q 7 2  
♥ A 9 4  
♦ Q 9 5  
♠ A K Q 4

17. West deals, None vul  
♣ A Q 8 6 4  
♥ K 7 4  
♦ 8 6 4  
♠ J 7

18. West deals, N-S vul  
♣ Q 10 2  
♥ A K J 4  
♦ J 10  
♠ A 5 3 2

19. West deals, E-W vul  
♣ A K J 2  
♥ 8 6 4  
♦ A K Q 5  
♠ A 10

20. West deals, Both vul  
♣ Q J 8  
♥ A K  
♦ 8 5 4  
♠ A K J 3 2

21. West deals, N-S vul  
♣ 9  
♥ K 8 7 4 2  
♦ K 9 8 5 4  
♠ J 7

22. West deals, E-W vul  
♣ K J 9 7 2  
♥ A Q  
♦ K 9 2  
♠ K 10 9

23. West deals, Both vul  
♣ A K J 2  
♥ 8 6 4  
♦ A K Q 5  
♠ A 10

24. West deals, None vul  
♣ A J 8  
♥ Q J 4  
♦ K J 7 5 2  
♠ A 4

25. West deals, E-W vul  
♣ A Q 10 4  
♥ A 9 4  
♦ A Q 9 8  
♠ 9 5
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<td>♣ K Q 10</td>
<td>♣ A K 5 4</td>
<td>♣ J 10 8</td>
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</table>
### West Hands 3W14 51
**Notrump Openings**
*Lunatic — Maniac*

51. West deals, E-W vul
- ♠️ 10 4
- ♥️ K 9 8 5 2
- ♦️ J 9 4
- ♣️ K 9 8

52. West deals, Both vul
- ♠️ 9 4 3
- ♥️ K 4
- ♦️ J 8 7
- ♣️ A Q 10 9 6

53. West deals, N-S vul
- ♠️ Q 9 2
- ♥️ 6 2
- ♦️ A K 8 5 3
- ♣️ A K 6

54. West deals, E-W vul
- ♠️ 7 6
- ♥️ A 8 4 3
- ♦️ K 10 7
- ♣️ A K Q 7

55. West deals, Both vul
- ♠️ 9
- ♥️ A K 7 5 2
- ♦️ 10 6 4
- ♣️ 10 9 5 4

### West Hands 3W14 56

56. West deals, None vul
- ♠️ A 5
- ♥️ K 6 4
- ♦️ A Q 8 2
- ♣️ A 6 5 2

57. West deals, E-W vul
- ♠️ A K 9
- ♥️ A 9 4
- ♦️ A J
- ♣️ K Q 8 3 2

58. West deals, Both vul
- ♠️ 9
- ♥️ 10 7 3 2
- ♦️ Q J 10 6
- ♣️ A 9 7 2

59. West deals, None vul
- ♠️ A K 9 8
- ♥️ K 10 7
- ♦️ 10 2
- ♣️ A K 6 5

60. West deals, N-S vul
- ♠️ 7 6 5 4
- ♥️ A Q 4 2
- ♦️ Q J 10 2
- ♣️ 9

### West Hands 3W14 61

61. West deals, Both vul
- ♠️ A Q 8 3
- ♥️ A 8 3
- ♦️ 10 6 5 2
- ♣️ K A 3

62. West deals, None vul
- ♠️ A Q 7 5
- ♥️ K J
- ♦️ A Q 4
- ♣️ J 9 6 3

63. West deals, N-S vul
- ♠️ J 9
- ♥️ Q J 10 3
- ♦️ Q 8 6 3
- ♣️ A 8 3

64. West deals, E-W vul
- ♠️ A K 9 8
- ♥️ K 6 3
- ♦️ 10 7 2
- ♣️ K 3

### West Hands 3W14 66

66. West deals, N-S vul
- ♠️ A 7 6
- ♥️ K 8 6 5
- ♦️ K Q 10 9
- ♣️ A K 3

67. West deals, E-W vul
- ♠️ J 7 6 5 3
- ♥️ K 7
- ♦️ A Q 4 3
- ♣️ Q J 10 6 4

68. West deals, Both vul
- ♠️ A J 9 3
- ♥️ K J 4 3
- ♦️ A 5
- ♣️ A 6 5

69. West deals, E-W vul
- ♠️ A 8
- ♥️ A K 7 2
- ♦️ A 9 3
- ♣️ Q 9 4 3

### West Hands 3W14 71

71. West deals, Both vul
- ♠️ A 7 6
- ♥️ K 9
- ♦️ A Q 4 3
- ♣️ A K 10 3

72. West deals, None vul
- ♠️ Q 9 4
- ♥️ A 7
- ♦️ K 10 7 3
- ♣️ A K Q 6

73. West deals, E-W vul
- ♠️ A 9 7
- ♥️ K 10 7 5 2
- ♦️ A 5 2
- ♣️ 9 7

74. West deals, Both vul
- ♠️ A 8
- ♥️ A K 7 2
- ♦️ A 9 3
- ♣️ Q 9 4 3

75. West deals, None vul
- ♠️ A J 9 2
- ♥️ A 7 3 2
- ♦️ Q 9
- ♣️ A K 3
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Notrump Openings
Maniac — Lunatic

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♠ A 9 7
♥ A 9 8 5 2
♦ Q 9 7 4
♣ 9

27. West deals, None vul
♠ K
♥ A K J 10 8 6 5
♦ 3 2
♣ 10 6 5

28. West deals, N-S vul
♠ 9 7
♥ Q J 10 9 5
♦ J 3
♣ 10 9 5 4

29. West deals, Both vul
♠ K 8 6 2
♥ 9 5
♦ —
♣ J 9 7 6 4 2

30. West deals, None vul
♠ 10 9 6 5 3
♥ Q J 6 3
♦ 10
♣ K J 9

31. West deals, N-S vul
♠ K 8 4
♥ A Q J
♦ K 8 2
♣ K J 7 2

32. West deals, E-W vul
♠ J 10 7 5
♥ A Q 6 5 3
♦ 6 4
♣ 8 2

33. West deals, None vul
♠ 10 8 6 3 2
♥ Q 7 5
♦ Q J 3 2
♣ A

34. West deals, N-S vul
♠ K 7
♥ K J 10
♦ A K Q 10 7
♣ J 8 6

35. West deals, E-W vul
♠ K Q 4 2
♥ 3
♦ Q 9 2
♣ A 9 7 5 2

36. West deals, Both vul
♠ 7 4
♥ —
♦ A K J 8 6 4 3
♣ J 9 6 5

37. West deals, N-S vul
♠ 10 7 4 2
♥ K 8 2
♦ A 6
♣ 7 6 4 2

38. West deals, E-W vul
♠ A K 9 6 3
♥ A J
♦ 8 7 6 4 2
♣ 7

39. West deals, Both vul
♠ 2
♥ J 7
♦ Q J 9 8 7 6 4 2
♣ 10 4

40. West deals, None vul
♠ Q 10 8 3
♥ J 9 8 5 2
♦ K Q 7
♣ 10

41. West deals, E-W vul
♠ A 9 6
♥ Q 10 9 7 6 3
♦ J 10
♣ J 10

42. West deals, Both vul
♠ K Q 6 3
♥ 10 4 3
♦ K 6
♣ J 7 5

43. West deals, None vul
♠ A Q 10 9 7 6 3

44. West deals, N-S vul
♠ K Q 7 5
♥ K 2
♦ J 9 7
♣ A 7 6 3

45. West deals, Both vul
♠ 9 5 4
♥ 10 9 7 4 3
♦ 8 7 4
♣ K 8

46. West deals, None vul
♠ A Q 2
♥ A K 6 4
♦ J 10 5
♣ A K 10

47. West deals, E-W vul
♠ K Q J 5
♥ 7
♦ J 3
♣ A Q 10 9 7 6 3

48. West deals, N-S vul
♠ A Q 7 6
♥ A K J 8 7

49. West deals, Both vul
♠ A J 4 2
♥ 10 7 3 2
♦ A 10 9
♣ A Q

50. West deals, N-S vul
Notrump Openings
Lunatic — Maniac

51. West deals, E-W vul
♠ A 8 7 5
♥ J 10
♦ A Q 7 2
♣ A 10 5

52. West deals, Both vul
♠ A K
♥ A J 6 3
♦ A Q 5 2
♣ K 8 7

53. West deals, N-S vul
♠ A K 10 6 5
♥ Q 10 9 4
♦ 9 6 2
♣ —

54. West deals, E-W vul
♠ A K Q 10 9 8
♥ K J 10 9
♦ A J 9
♣ —

55. West deals, Both vul
♠ K J 6 3
♥ 8 4
♦ A K 9 3
♣ A J 3

56. West deals, None vul
♠ K Q J 4
♥ Q 10 7 5 3
♦ 7
♣ K 10 4

57. West deals, E-W vul
♠ 10 3
♥ K Q J 10 7 6 2
♦ Q 10
♣ A 7

58. West deals, Both vul
♠ A 7
♥ A 6 5 4
♦ A 8 7 3
♣ K Q 5

59. West deals, None vul
♠ Q J 10 4 2
♥ A 2
♦ K 9 6 5
♣ Q J

60. West deals, N-S vul
♠ Q 9 2
♥ K 6 3
♦ A K 3
♣ K Q 10 8

61. West deals, Both vul
♠ 9 6 5 4 2
♥ K J 9
♦ K 6 5
♣ J 4

62. West deals, None vul
♠ K 10 2
♥ A 7
♦ A K 5
♣ J 10 6 4 2

63. West deals, N-S vul
♠ K 10 2
♥ A 7
♦ A K 5
♣ J 10 6 4 2

64. West deals, E-W vul
♠ Q J 10 8 4
♥ A Q J
♦ A 2
♣ Q 4 2

65. West deals, None vul
♠ Q 9 2
♥ K 6 3
♦ 10 9
♣ A 9 8 4

66. West deals, N-S vul
♠ K 7 5 4
♥ A 10
♦ 8 4
♣ J 9 8 7 6

67. West deals, E-W vul
♠ K 9 8
♥ A Q
♦ A Q 8 6 4
♣ K 9 7

68. West deals, Both vul
♠ K 10 6 5 4
♥ A 7
♦ A K 5
♣ J 10 6 4 2

69. West deals, N-S vul
♠ K 10 9
♥ A J 10 9 4
♦ A 8 5
♣ K J

70. West deals, E-W vul
♠ Q J 5 4
♥ Q
♦ A Q J 10 9 4
♣ K 10 6

71. West deals, Both vul
♠ Q 9 8 5 2
♥ A 10 8 6
♦ J 8 7
♣ 8

72. West deals, None vul
♠ A J 8 6 3
♥ 6 2
♦ Q 5 2
♣ 8 5 4

73. West deals, E-W vul
♠ K 3
♥ J 9 8
♦ K J 3
♣ A K Q 5 3

74. West deals, Both vul
♠ Q J 5 4
♥ Q
♦ A Q J 10 9 4
♣ K 10 6

75. West deals, None vul
♠ K 10
♥ K J 10 8 6 5 4
♦ K 6
♣ J 2
76. West deals, N-S vul
\[\text{Hearts:} \spadesuit K 8 5 4 3, \text{Clubs:} \heartsuit A 10 5 3 2, \text{Diamonds:} \diamondsuit 6, \text{Spades:} \clubsuit K 8\]

81. West deals, None vul
\[\spadesuit A 5, \heartsuit Q 5 4 3, \diamondsuit 8 6 5 4 3, \clubsuit Q 10\]

86. West deals, E-W vul
\[\spadesuit Q 10 9 6, \heartsuit 3, \diamondsuit A K 5, \clubsuit K 10 7 6 2\]

91. West deals, None vul
\[\spadesuit A Q J, \heartsuit A 7 6 4, \diamondsuit K 6 2, \clubsuit K J 9\]

96. West deals, E-W vul
\[\spadesuit Q 10, \heartsuit K Q 10 4, \diamondsuit K Q 5, \clubsuit Q 8 5 3\]

77. West deals, Both vul
\[\text{Hearts:} \spadesuit A Q 4, \text{Clubs:} \heartsuit 7 6 5, \text{Diamonds:} \diamondsuit A 6 2, \text{Spades:} \clubsuit A K 9 3\]

82. West deals, N-S vul
\[\spadesuit A K Q 10, \heartsuit J 10, \diamondsuit Q J 9, \clubsuit A Q J 2\]

87. West deals, Both vul
\[\spadesuit J 4 3 2, \heartsuit K Q 5, \diamondsuit K 9 8 6 4, \clubsuit 9\]

92. West deals, N-S vul
\[\spadesuit A Q J 8 5, \heartsuit Q 7, \diamondsuit A Q 8 6, \clubsuit Q 4\]

97. West deals, None vul
\[\spadesuit Q 9 6, \heartsuit K J 7 6 3 2, \diamondsuit 9 2, \clubsuit Q 2\]

78. West deals, None vul
\[\text{Hearts:} \spadesuit 5 2, \text{Clubs:} \heartsuit A K 9, \text{Diamonds:} \diamondsuit A K 10 5, \text{Spades:} \clubsuit K 8 6 5\]

83. West deals, E-W vul
\[\spadesuit Q 10 9 6 2, \heartsuit 10 6 5, \diamondsuit Q J 9 6 5, \clubsuit —\]

88. West deals, None vul
\[\spadesuit A Q 10, \heartsuit 9 8 6, \diamondsuit A 10 5, \clubsuit A J 9 3\]

93. West deals, Both vul
\[\spadesuit A K Q, \heartsuit A Q J 5, \diamondsuit K 9 8 5, \clubsuit K 5\]

98. West deals, N-S vul
\[\spadesuit A 8 6 4, \heartsuit A 5 2, \diamondsuit 10 5 4, \clubsuit A K 7\]

79. West deals, N-S vul
\[\text{Hearts:} \spadesuit A K Q 4, \text{Clubs:} \heartsuit J 9 7 5 4, \text{Diamonds:} \diamondsuit 5, \text{Spades:} \clubsuit 6 5 4\]

84. West deals, Both vul
\[\spadesuit Q 10 8 7, \heartsuit A 10 5, \diamondsuit A K J 9, \clubsuit A K\]

89. West deals, E-W vul
\[\spadesuit K 10 8 7, \heartsuit A K 4, \diamondsuit K 9, \clubsuit Q J 8 4\]

94. West deals, None vul
\[\spadesuit A Q 9, \heartsuit K 3, \diamondsuit A J 8 6 2, \clubsuit Q 10 5\]

99. West deals, E-W vul
\[\spadesuit Q 8 3, \heartsuit A K 3, \diamondsuit A 8 7, \clubsuit K 10 7 2\]

80. West deals, E-W vul
\[\text{Hearts:} \spadesuit A K 10 6, \text{Clubs:} \heartsuit K J 8 3, \text{Diamonds:} \diamondsuit Q 9 2, \text{Spades:} \clubsuit K Q\]

85. West deals, N-S vul
\[\spadesuit A Q 10 9 6, \heartsuit J 9 2, \diamondsuit 9 6 4, \clubsuit Q 2\]

90. West deals, Both vul
\[\spadesuit K 8 7 5, \heartsuit 10 5 3 2, \diamondsuit 8 7, \clubsuit A Q 5\]

95. West deals, N-S vul
\[\spadesuit K 9 3, \heartsuit A 6 5, \diamondsuit A 9, \clubsuit A 10 9 6 2\]

100. West deals, Both vul
\[\spadesuit A 6 2, \heartsuit A 10 7 6 5, \diamondsuit A J 6, \clubsuit K 5\]
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**Notrump Openings**

26. 1NT 3♥ 4♥ 3NT 5♥

27. 1NT 3♥ 2NT 3NT 5♥

28. 2NT 3♥ 4♥

29. 2NT 3♥ 4♥ 5♥ 5♥ 6♥ 6♥

30. 1NT 2♠ 3♥ 4♥ 3♥ 4♥

31. Pass 1NT 2♠ 2NT 3NT 4NT 5NT

32. 1NT 2♠ 2♥ 3♥ 3♠ 4♥

33. 1NT 3♠ 4♥ 4♦

34. Pass 1NT 2♠ 2♥ 2♥ 3♥ 5♥

35. 2NT 3♠ 4♠ 4♥ 5♥

36. 1NT 2♠ 2♥ 3♥ 4NT 5NT

37. 1NT 2♠ 2♥ 2♥ 3♥ 2NT 3NT

38. 1NT 3♠ 3NT 4♥ 5♥

39. 2NT 3♥ 4♥ 5♥ 5♥ 6♥ 6♥

40. 1NT 3♥ 4♥ 5♥ 5♥ 6♥ 6♥

41. 1NT 2♥ 2♥ 3♥ 4♥ 5♥

42. 1NT 2♥ 2♥ 3♥ 2NT 3NT

43. 1NT 3♥ 4♥ 5♥

44. 1NT 2♥ 3♥ 2NT 3NT

45. Pass 1NT 2♥ 2♥ 3♥ 3NT

46. Pass 2NT 3♠ 4♥ 5♥