

Indian Sudoku Championship 2011 - Finals

11-Jun-2011, Bangalore

Round 2 – Odd Even

60 minutes

Name :
Contact :
<i>Submission Time :</i>

Sudoku	Points	Check1	Check2
Irregular Odd Even Sudoku	40		
Odd Even View Sudoku	140		
Odd Sudoku	45		
Odd Even Count Sudoku	70		
Odd Even Frame Sudoku	115		
Odd Length Sudoku	115		
Odd "PLUS" Sudoku	75		
Total			

Irregular Odd Even Sudoku

40 points

Place digits 1-8 in each blank cell so that every row, every column, and every outlined region must have distinct digits.

Additionally, all shaded cells must have even digits, and all unshaded cells must have odd digits.

The grid is an 8x8 square with a complex pattern of shaded and unshaded cells. The shaded cells are located at the following coordinates (row, column): (1,3), (1,4), (1,7), (1,8), (2,1), (2,2), (2,4), (2,6), (3,1), (3,3), (3,5), (3,7), (4,3), (4,5), (4,8), (5,1), (5,3), (5,5), (5,7), (6,2), (6,4), (6,6), (6,8), (7,1), (7,3), (7,5), (7,7), (8,2), (8,4), (8,6), (8,8). The unshaded cells are at: (1,1), (1,2), (1,5), (1,6), (2,3), (2,5), (2,7), (2,8), (3,2), (3,4), (3,6), (3,8), (4,1), (4,2), (4,4), (4,6), (4,7), (5,1), (5,2), (5,4), (5,6), (5,8), (6,1), (6,2), (6,4), (6,5), (6,7), (6,8), (7,1), (7,2), (7,4), (7,6), (7,7), (7,8), (8,1), (8,2), (8,4), (8,5), (8,7), (8,8). Pre-filled numbers are: (2,4)=4, (3,3)=2, (4,2)=1, (4,7)=4, (5,2)=5, (5,6)=8, (6,5)=3, (7,4)=4.

Odd Even View Sudoku

140 points

Place digits 1-9 in each blank cell so that every row, every column, and every box must have distinct digits.

Odd digits outside the grid represent the first odd digit that can be seen from the corresponding direction. Even digits outside the grid represent the first even digit that can be seen from the corresponding direction.

The grid is a standard 8x8 square. Numbers are placed around the perimeter to indicate visibility from that direction. Top: (1,1)=1, (1,2)=6, (1,3)=3, (1,4)=2, (1,5)=9, (1,6)=9, (1,7)=1, (1,8)=2. Left: (1,1)=3, (2,1)=2, (3,1)=1, (4,1)=4, (5,1)=9, (6,1)=2, (7,1)=7, (8,1)=4. Right: (1,8)=5, (2,8)=2, (3,8)=3, (4,8)=3, (5,8)=8, (6,8)=2, (7,8)=6, (8,8)=1. Bottom: (8,1)=7, (8,2)=2, (8,3)=4, (8,4)=2, (8,5)=7, (8,6)=6, (8,7)=3.

Odd Sudoku

45 points

Place digits 1-9 in each blank cell so that every row, every column, and every box must have distinct digits.

Additionally, all shaded cells must have odd digits.

				3	1			
			9			2		
		7					1	
	2				6			4
1				7				3
6			8				2	
	8					3		
		6			3			
			7	8				

Odd Even Count Sudoku

70 points

Place digits 1-9 in each blank cell so that every row, every column, and every box must have distinct digits.

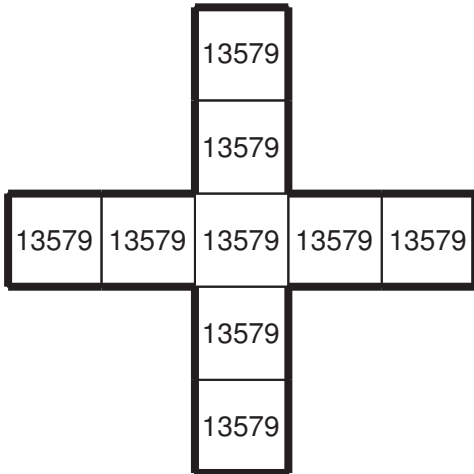
An even digit inside a shaded cell represents the number of cells with even digits in the surrounding 8 cells.

An Odd digit inside a shaded cell represents the number of cells with odd digits in surrounding 8 cells.

		2				5		
	1						7	
9		8				6		3
			1		9			
				6				
			2		8			
1		6				8		4
	4						2	
		7				1		

Place digits 1-9 in each blank cell so that every row, every column, and every box must have distinct digits.

There must be at least one group of 9 cells forming a PLUS sign as shown below all having odd digits.



2			7		9			8
		9				6		
	4						5	
8								2
3								5
	2						1	
		4				2		
5			3		1			6

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1	7	4	6	5	3	8	2
2	6	5	8	4	1	3	7
4	3	8	2	7	6	5	1
6	8	1	5	2	7	4	3
7	5	2	3	6	8	1	4
8	1	6	7	3	4	2	5
3	2	7	4	1	5	6	8
5	4	3	1	8	2	7	6

Odd Sudoku 45

8	6	2	5	3	1	4	9	7
4	1	5	9	6	7	2	3	8
3	9	7	4	2	8	5	1	6
7	2	9	3	5	6	1	8	4
1	5	8	2	7	4	9	6	3
6	4	3	8	1	9	7	2	5
2	8	4	6	9	5	3	7	1
9	7	6	1	4	3	8	5	2
5	3	1	7	8	2	6	4	9

Odd Even View 140

		1	6	3	2	9	9	1	2		
3	2	3	2	6	8	7	4	9	1	5	5
1	4	4	1	8	3	5	9	6	7	2	2
9	2	9	7	5	1	2	6	3	8	4	3
7	4	7	9	4	2	8	1	5	3	6	3
5	2	5	3	2	9	6	7	1	4	8	8
1	6	6	8	1	5	4	3	7	2	9	2
1	4	1	5	9	4	3	8	2	6	7	6
3	8	8	6	3	7	9	2	4	5	1	1
7	2	2	4	7	6	1	5	8	9	3	8
		4	2	7	4	2	7	6	3		

Odd Even Count Sudoku 70

4	6	2	9	7	3	5	8	1
5	1	3	8	4	6	9	7	2
9	7	8	5	1	2	6	4	3
7	3	4	1	5	9	2	6	8
2	8	5	7	6	4	3	1	9
6	9	1	2	3	8	4	5	7
1	5	6	3	2	7	8	9	4
3	4	9	6	8	1	7	2	5
8	2	7	4	9	5	1	3	6

Odd Even Frame Sudoku 115

	18	6	19	16	12	8	14	8	4	
14	8	5	9	7	1	3	6	2	4	12
6	6	1	3	9	4	2	8	7	5	8
6	4	2	7	6	8	5	3	1	9	13
14	7	8	6	2	5	4	9	3	1	13
▶ 6	1	4	5	3	9	7	2	6	8	16
2	3	9	2	1	6	8	5	4	7	12
14	5	6	8	4	3	1	7	9	2	16
4	2	3	1	8	7	9	4	5	6	10
16	9	7	4	5	2	6	1	8	3	8
	14	6	12	12	10	10	4	14	3	

Odd "PLUS" Sudoku 75

2	5	6	7	4	9	1	3	8
7	3	9	8	1	5	6	2	4
1	4	8	2	3	6	7	5	9
8	6	5	1	7	3	9	4	2
▶ 4	9	2	6	5	8	3	7	1
3	7	1	4	9	2	8	6	5
6	2	3	9	8	4	5	1	7
9	1	4	5	6	7	2	8	3
5	8	7	3	2	1	4	9	6

Odd Length Sudoku 115

	2	2	3	3	5	2	3	3	2	
	3	1	7	2	6	9	8	5	4	3
	4	6	8	1	3	5	9	2	7	4
	2	9	5	4	7	8	6	1	3	2
	5	8	1	3	9	4	7	6	2	3
▶	6	2	3	8	5	7	1	4	9	3
	9	7	4	6	1	2	3	8	5	2
	1	3	9	5	4	6	2	7	8	4
	8	4	6	7	2	3	5	9	1	4
	7	5	2	9	8	1	4	3	6	2