Indian Sudoku Championship 2011 - Finals

11-Jun-2011, Bangalore

Round 4 – Classics Twins

50 minutes

Name :	
Contact :	
Submission Time :	

	Classic	Variant	Check 1	Check 2
Classic + Diagonal	40	70		
Classic + Anti Knight	50	45		
Classic + Touchy	70	110		
Classic + Number Search	55	60		
Total				
Bonus				

One of the grids below is a Classic Sudoku.
The other grid is a Diagonal Sudoku. Identifying the Classic Sudoku is part of solving.

Diagonal Sudoku Rule: Apply Classic Sudoku rules.
Additionally, every main diagonal must have digits 1~9. (Diagonals will not be marked)
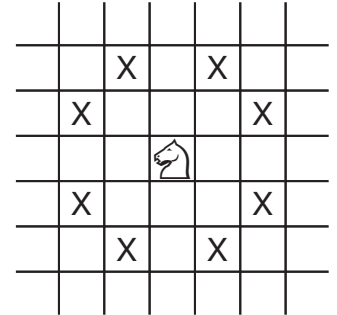
Grid 1

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

Grid 2

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

One of the grids below is a Classic Sudoku.
The other grid is an AntiKnight Sudoku. Identifying the Classic Sudoku is part of solving.

AntiKnight Sudoku Rule: Apply Classic Sudoku rules. Additionally, no cell that is a knight-step away can contain the same digit.

Classic Sudoku

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

AntiKnight Sudoku

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

Classic Sudoku (70 points) + Touchy Sudoku (110 points)

One of the grids below is a Classic Sudoku.
The other grid is a Touchy Sudoku. Identifying the Classic Sudoku is part of solving.

Touchy Sudoku Rule: Apply Classic Sudoku rules. Additionally, Each digit touches, vertically or horizontally at least one consecutive digit.

Classic Sudoku (55 points) + Number Search Sudoku (60 points)

One of the grids below is a Classic Sudoku.
The other grid is a Number Search Sudoku. Identifying the Classic Sudoku is part of solving.

Number Search Sudoku Rule: Apply Classic Sudoku rules. Additionally, the numbers given must be found on the grid, horizontally (left-to-right or right-to-left), or vertically (top-to-bottom or bottom-to-top).

| 1 | 3 | 5 | | 1 | 6 | 4 | | 1 | 6 | 9 | | 1 | 9 | 2 | | 1 | 9 | 6 |

Grid 1 (Classic Sudoku)

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

Grid 2 (Number Search Sudoku)

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

Classic Sudoku (40 points)

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

Diagonal Sudoku (70 points)

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

Classic Sudoku (50 points)

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

AntiKnight Sudoku (45 points)

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

Classic Sudoku (70 points)

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

Touchy Sudoku (110 points)

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

Number Search Sudoku (60 points)

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

Classic Sudoku (55 points)

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