

LMI-MONTHLY TEST JUN 2010 'SPEED SIXES'

6/6/2010

**166 MINUTES
1666 POINTS**

SOLUTION BOOKLET

(Sudokus by Tejal Phatak / Rohan Rao)

<http://rohanrao.blogspot.com/>

WEBPAGE: <http://logicmastersindia.com/forum/forums/thread-view.asp?tid=55>

SUBMISSION: <http://logicmastersindia.com/M201006>

GROUP 1: SIMPLE VARIATIONS

CLASSIC SUDOKU

2	1	5	3	6	4
3	4	6	1	2	5
6	5	3	4	1	2
4	2	1	5	3	6
5	3	2	6	4	1
1	6	4	2	5	3

CONSECUTIVE SUDOKU

6	5	4	1	2	3
1	2	3	5	6	4
2	4	6	3	1	5
5	3	1	2	4	6
3	6	2	4	5	1
4	1	5	6	3	2

DIAGONAL SUDOKU

1	2	3	5	6	4
5	4	6	2	1	3
3	1	2	6	4	5
4	6	5	3	2	1
6	3	4	1	5	2
2	5	1	4	3	6

EXTRA REGION SUDOKU

2	1	5	3	6	4
4	6	3	2	1	5
5	4	6	1	3	2
1	3	2	4	5	6
3	5	4	6	2	1
6	2	1	5	4	3

IRREGULAR SUDOKU

6	4	1	2	3	5
3	5	4	6	1	2
5	1	3	4	2	6
1	2	6	3	5	4
2	6	5	1	4	3
4	3	2	5	6	1

ODD-EVEN SUDOKU

1	3	4	5	6	2
6	2	5	3	4	1
2	4	3	6	1	5
5	6	1	4	2	3
3	1	6	2	5	4
4	5	2	1	3	6

SURPRISE SUDOKU 'NON-CONSECUTIVE SUDOKU'

1	5	3	6	4	2
4	2	6	3	1	5
6	4	2	5	3	1
3	1	5	2	6	4
5	3	1	4	2	6
2	6	4	1	5	3

GROUP 2: COMMON VARIATIONS

EQUAL SUM SUDOKU

3	4	6	5	1	2
5	1	2	6	3	4
6	5	1	2	4	3
2	3	4	1	5	6
1	2	3	4	6	5
4	6	5	3	2	1

INEQUALITY SUDOKU

2	6	5	4	1	3
1	4	3	6	2	5
4	3	1	5	6	2
5	2	6	3	4	1
3	1	4	2	5	6
6	5	2	1	3	4

NO TOUCH SUDOKU

4	1	3	6	5	2
2	6	5	4	3	1
3	4	2	1	6	5
1	5	6	3	2	4
6	2	4	5	1	3
5	3	1	2	4	6

QUADRUPLE SUDOKU

1	2	6	4	3	5
3	4	5	6	2	1
2	6	4	1	5	3
5	1	3	2	4	6
6	3	2	5	1	4
4	5	1	3	6	2

SEQUENCE SUDOKU

1	3	4	2	6	5
6	5	2	4	3	1
5	2	1	6	4	3
3	4	6	1	5	2
2	6	5	3	1	4
4	1	3	5	2	6

TRIO SUDOKU

①	3	5	4	②	6
4	6	②	5	①	3
6	②	4	①	3	5
3	5	①	6	4	②
5	①	3	②	6	4
②	4	6	3	5	①

SURPRISE SUDOKU 'GROUP SUM SUDOKU'

5	3	2	6	4	1
6	4	1	2	5	3
4	2	3	1	6	5
1	6	5	4	3	2
2	5	6	3	1	4
3	1	4	5	2	6

(18) at (row 2, col 2)
 (7) at (row 3, col 4)
 (13) at (row 4, col 3)
 (22) at (row 5, col 2)
 (11) at (row 6, col 4)

GROUP 3: FUN VARIATIONS

ANTI KNIGHT SUDOKU

3	6	1	2	5	4
2	5	4	3	6	1
1	4	5	6	3	2
6	3	2	1	4	5
5	2	3	4	1	6
4	1	6	5	2	3

EQUAL PRODUCT SUDOKU

6	5	4	3	2	1
1	2	3	4	5	6
2	4	6	5	1	3
3	1	5	2	6	4
4	6	2	1	3	5
5	3	1	6	4	2

EVEN SUDOKU

3	2	4	5	1	6
5	1	6	3	2	4
4	6	2	1	3	5
1	3	5	4	6	2
2	5	3	6	4	1
6	4	1	2	5	3

MIRROR SUDOKU

4	3	5	2	1	6
2	6	1	4	5	3
6	1	2	3	4	5
3	5	4	6	2	1
5	4	3	1	6	2
1	2	6	5	3	4

ODD SUDOKU

5	6	4	3	1	2
3	1	2	5	6	4
4	2	6	1	5	3
1	5	3	4	2	6
6	3	5	2	4	1
2	4	1	6	3	5

TRIPLE SUM SUDOKU

	4	2	6	3	5	1
219	1	5	3	6	4	2
606	5	6	2	4	1	3
	3	1	4	2	6	5
264	2	4	5	1	3	6
687	6	3	1	5	2	4

SURPRISE SUDOKU 'ANTI DIAGONAL SUDOKU'

4	3	2	6	5	1
6	1	5	2	4	3
3	2	1	4	6	5
5	6	4	1	3	2
2	4	3	5	1	6
1	5	6	3	2	4

GROUP 4: PUZZLE VARIATIONS

BATTLESHIP SUDOKU

1 3 1 1 0 4

1	2	4	5	6	3	1
3	6	3	1	4	2	5
1	1	2	4	5	6	3
1	3	5	6	1	4	2
1	4	1	2	3	5	6
3	5	6	3	2	1	4

1	3	6	1	2
1	6	2	3	4

CODED SUDOKU

4	3	B	5	2	1	C	6	
2	6	1	4	5	3			
6	1	2	3	4	5			
3	5	D	4	6	2	A	1	
5	2	3	1	6	D	4		
A	1	4	C	6	B	5	3	2

DISTANCES SUDOKU

6	5	4	1	3	2
3	1	2	6	5	4
2	3	1	4	6	5
5	4	6	2	1	3
1	2	5	3	4	6
4	6	3	5	2	1

KROPKI SUDOKU

4	6	2	5	1	3		
○	3	1	5	2	6	4	○
5	3	1	4	●	2	6	
2	○	4	6	1	3	5	○
6	2	●	4	○	3	5	1
1	5	3	○	●	6	4	○

MINESWEEPER SUDOKU

1	4	3	2	●	●
●	2	●	1	3	4
3	●	4	●	2	1
2	●	1	3	4	●
4	3	●	●	1	2
●	1	2	4	●	3

SKYSCRAPER SUDOKU

	4	4	2	2			
4	2	3	5	4	1	6	
3	1	4	6	3	2	5	
3	4	5	1	6	3	2	
2	3	6	2	5	4	1	
	5	2	4	1	6	3	
	6	1	3	2	5	4	
				3	3	2	3

SURPRISE SUDOKU 'MULTIPLICATION TABLE SUDOKU'

2	1	5	4	3	6
3	4	6	5	1	2
6	2	4	3	5	1
5	3	1	2	6	4
4	6	3	1	2	5
1	5	2	6	4	3

GROUP 5: NEW VARIATIONS

KID SUDOKU

6465	2	1	3	4	6	5
6456	6	4	5	2	1	3
5646	5	2	1	3	4	6
43662	4	3	6	1	5	2
162534	1	6	2	5	3	4
35463	3	5	4	6	2	1

KNIGHT SUDOKU

6	4	5	2	3	1
1	3	2	5	6	4
2	6	3	1	4	5
5	1	4	6	2	3
4	2	1	3	5	6
3	5	6	4	1	2

OUTSIDE CONSECUTIVE SUDOKU

	2	0	1		
2	5	3	4	6	1
	1	2	6	3	4
	6	5	1	2	3
2	2	4	3	1	5
	3	6	5	4	2
	4	1	2	5	6

PERFECT CUBE NEIGHBOURS SUDOKU

4	3	5	2	1	6
6	1	2	5	3	4
1	6	4	3	5	2
2	5	3	4	6	1
5	2	1	6	4	3
3	4	6	1	2	5

**PERFECT SQUARE
SUDOKU**

6	1	2	4	5	3
3	5	4	6	2	1
1	4	3	5	6	2
2	6	5	1	3	4
4	2	6	3	1	5
5	3	1	2	4	6

**SYMMETRIC UNEQUAL
SUDOKU**

2	6	3	1	4	5
4	5	1	6	3	2
5	2	4	3	6	1
3	1	6	2	5	4
6	4	2	5	1	3
1	3	5	4	2	6

**SURPRISE SUDOKU
'NO THREE IN A ROW SUDOKU'**

1	6	2	3	5	4
4	3	5	6	2	1
5	2	4	1	3	6
6	1	3	2	4	5
3	4	6	5	1	2
2	5	1	4	6	3

GROUP 6: MIXED VARIATIONS

CROSS SUMDOKU

1	3	6	2	4	5	381
5	4	2	3	1	6	
2	6	5	1	3	4	399
4	1	3	6	5	2	1065
3	2	4	5	6	1	
6	5	1	4	2	3	1074
						156 93 138

DESCRIPTIVE PAIRS SUDOKU

		24	46 56		12			
		1	2	3	5	4	6	
36		4	5	6	3	2	1	
35		2	6	1	4	3	5	
		3	4	5	1	6	2	36
		5	3	2	6	1	4	35
24		6	1	4	2	5	3	15
						35	36	

DISTANCE SUDOKU

2-3:2	5-6:2	3-4:2	2-1:4	1-4:1		
5	4	1	2	6	3	
6	2	3	5	4	1	2-5:2
1	5	6	3	2	4	1-6:2
2	3	4	6	1	5	3-5:4
4	6	5	1	3	2	4-5:2
3	1	2	4	5	6	1-4:2

EDGE DIFFERENCE SUDOKU

		4	2			1	2
3		6	2	4	1	5	3
5		1	3	5	4	2	6
		3	5	2	6	1	4
		4	6	1	2	3	5
3		5	1	6	3	4	2
1		2	4	3	5	6	1

PALINDROME SUDOKU

6	5	4	1	3	2
3	1	2	6	5	4
2	3	1	4	6	5
5	4	6	2	1	3
1	2	5	3	4	6
4	6	3	5	2	1

QUADMAX SUDOKU

5	3	2	6	4	1
6	4	1	2	5	3
4	2	3	1	6	5
1	6	5	4	3	2
2	5	6	3	1	4
3	1	4	5	2	6

SURPRISE SUDOKU 'NUMERAL SUDOKU'

^O 2	^N 1	^E 3	5	6	4
5	6	4	^T 3	^W 2	^O 1
3	^F 5	6	4	1	2
4	^O 2	1	^S 6	3	5
6	^U 4	2	1	^I 5	3
1	^R 3	5	2	4	^X 6