



可佳•鹏程杯
KeJia • PengCheng Cup

2011北京国际数独大奖赛
Beijing International Sudoku Tournament

NAME:

SEAT:

Round 5
60 minutes

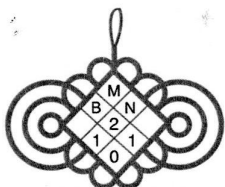
180
POINTS

1. Inequality Sudoku	13	
2. Consecutive Sudoku	19	
3. Arrow Sudoku	24	
4. Property Sudoku	29	
5. Palindrome Sudoku	14	
6. Lever Sudoku	37	
7. Kropki Sudoku	14	
8. Dots Sudoku	30	

minutes x 3 = Bonus

Total

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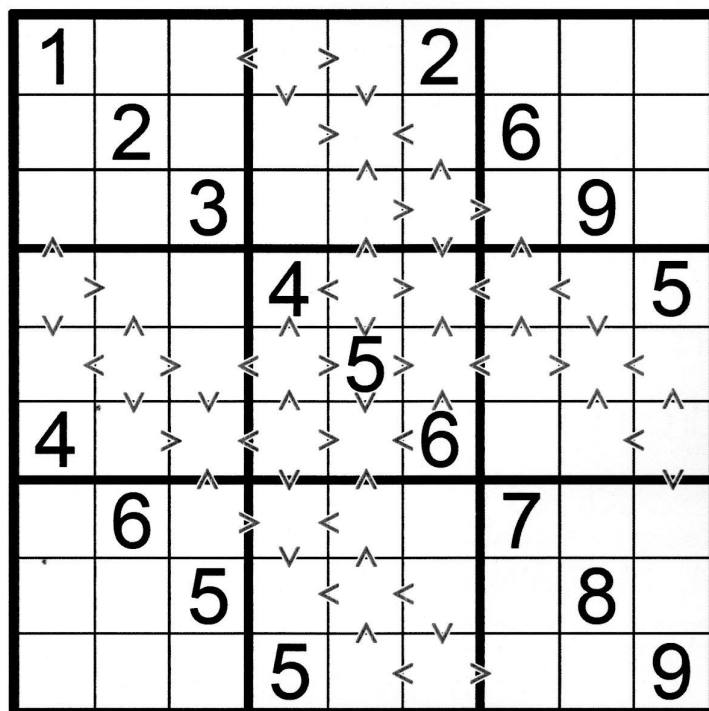
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Round 5 Puzzle 1

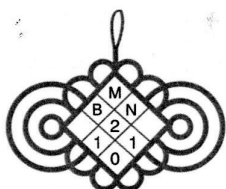
13
POINTS

Inequality Sudoku

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9. The grids should satisfy ' $>$ ' (greater than) and ' $<$ ' (less than) signs.



Score:



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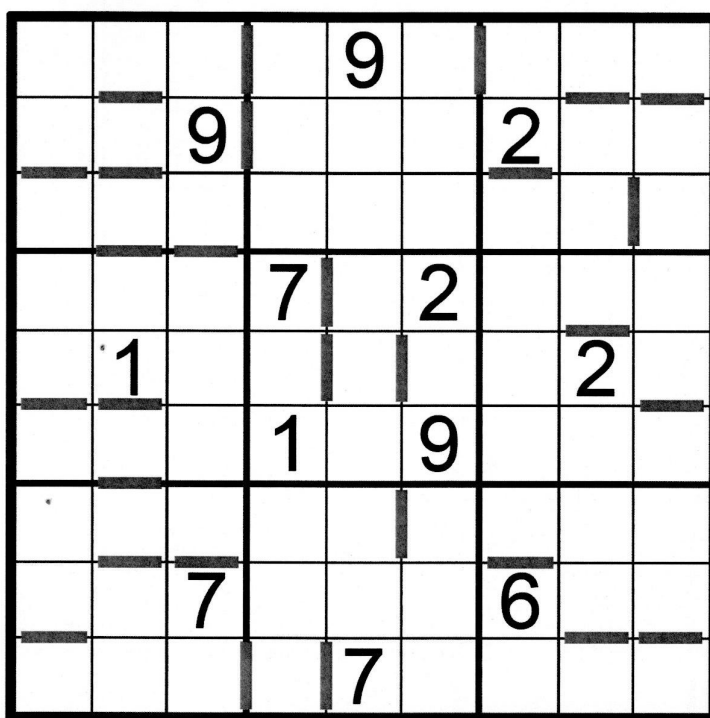
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Round 5 Puzzle 2

19
POINTS

Consecutive Sudoku

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9. If a bar is given between two adjacent cells, then the two numbers put in those cells must be consecutive. If a bar is not given, the two digits cannot be consecutive.



Score:



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Round 5 Puzzle 3

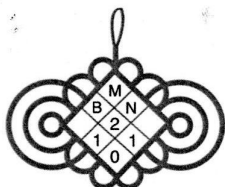
24
POINTS

Arrow Sudoku

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9. The sum of all the digits along an arrow's path must equal the digit in the circled cell at the start of the arrow. Digits can repeat within an arrow.

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

Score:



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Round 5 Puzzle 4

29
POINTS

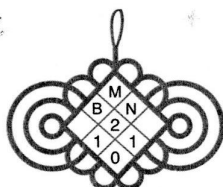
Property Sudoku

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9. The letter indicates the property of the number in the cell adjacent to the letter.

B=big: 6789, S=small: 12345, P=prime number: 2357,
C=composite number: 4689, O=odd: 13579, E=even: 2468.

	C	S	E	P	B	
E						B
B				8		S
			9	5		
P		3			9	C
O	7				5	P
	9		1	2	3	
C		4		7	2	E
S		6			1	O
	B	C	O	E	S	

Score:



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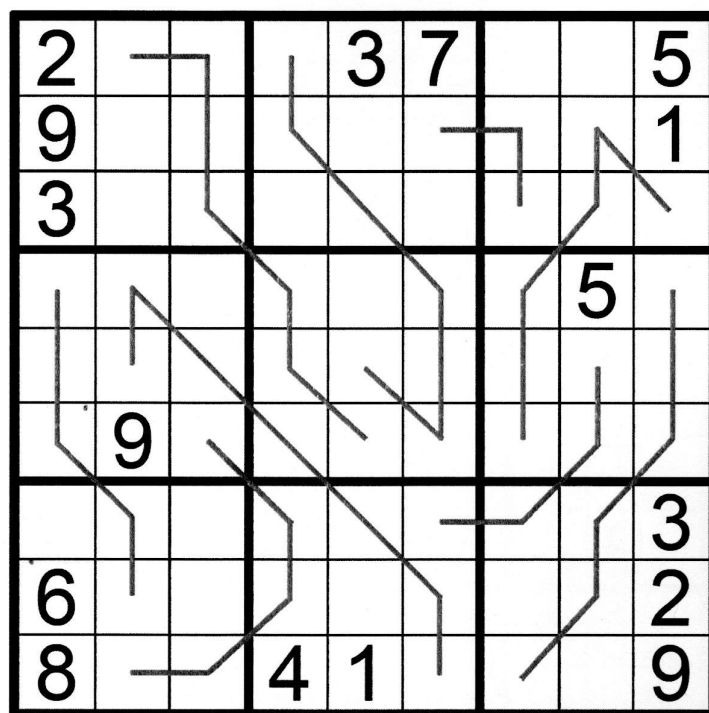
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Round 5 Puzzle 5

14
POINTS

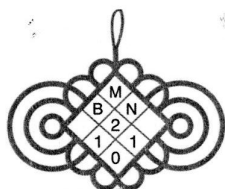
Palindrome Sudoku

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9. Number sequences along the lines are same reading from either direction. (Such as 1-2-1, 3-4-4-3)



Score:

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Round 5 Puzzle 6

37
POINTS

Lever Sudoku

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9. The numbers combined by red lever should make a balance; i.e., the number closest to the fulcrum on the left $\times 1 +$ the second one $\times 2 \dots =$ the number closest to the fulcrum on the right $\times 1 +$ the second one $\times 2 \dots$. In other words, it satisfies the lever principle.

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

Score:



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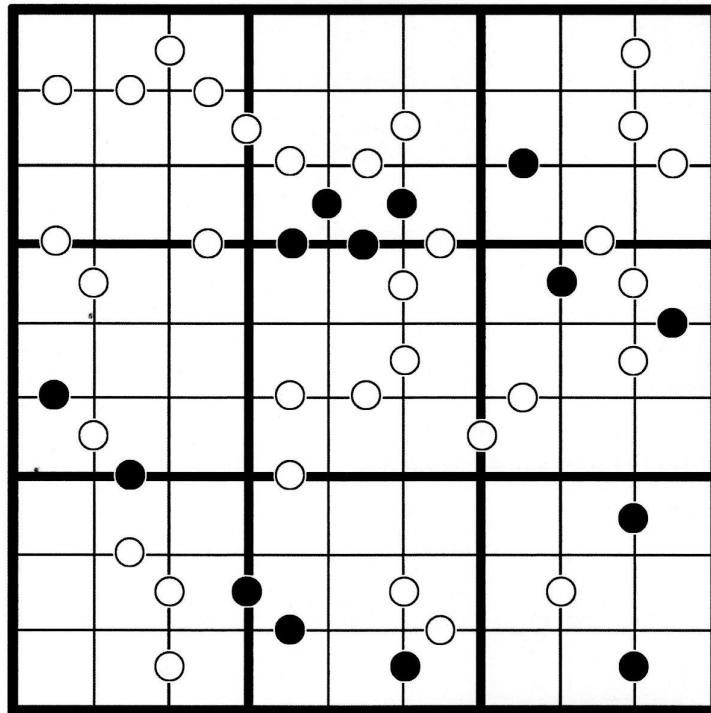
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Round 5 Puzzle 7

14
POINTS

Kropki Sudoku

Fill in the grid so that every row, column, and 3x3 box contains the digits 1 through 9. All neighbouring grid cells containing digits with difference 1 have a white dot between them. All neighbouring grid cells in which one digit is exactly two times the other have a black circle between them. Between the digits 1 and 2 there can be either a white or a black dot.



Score:



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Round 5

1

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

2

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

3

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

4

	C	S	E	P	B					
E	6	4	1	3	2	7	5	8	9	B
B	9	5	7	6	8	4	3	2	1	S
	3	8	2	9	1	5	4	6	7	
P	2	6	3	7	5	8	9	1	4	C
O	1	7	8	4	9	3	6	5	2	P
	4	9	5	1	6	2	7	3	8	
C	8	3	4	5	7	1	2	9	6	E
S	5	2	6	8	4	9	1	7	3	O
	7	1	9	2	3	6	8	4	5	
	B	C	O	E	S					

5

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

6

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

7

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

8

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