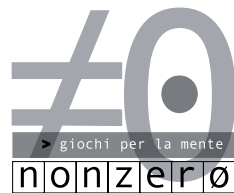


Instructions booklet

Lucca
10 -11 march 2006



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Rules: Fill in the grid so that every row, every column, and every 3x3 box contains the digits 1 through 9.

Start

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

Solution

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



Rules: Fill in the grid so that every row, every column and every 4x2 box contains the digits 1 to 8.
Numbers must be placed according to greater (>) and less (<) signs.

Start

<	<	<	<	<	<	<	<
<	<	<	<	<	<	<	<
<	<	<	<	<	<	<	<
<	<	<	<	<	<	<	<
<	<	<	<	<	<	<	<
<	<	<	<	<	<	<	<
<	<	<	<	<	<	<	<
<	<	<	<	<	<	<	<

Solution

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

WSC1 organizer would like to thanks the following for creating puzzles for the 1st World Sudoku Championship: Cihan Altay, Conceptis/Jochen Vetter, Olga Leontieva, nonzero, Novax Media/Hendrik Hardeman, studiogiochi.

! Rules: Fill in the grid so that every row, every column, every diagonal and every 3x3 box contains the digits 1 through 9.

Start

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

Solution

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

Start

16	4		7	17		15		
	7			30			3	10
11	17	20		8				
			4		10	10	11	
12			14	7			11	
3				10			14	17
7	9	21	16		8			
16			13			10		

Solution

16	7	3	1	2	17	8	9	15	6	4	5
	9	5	2	4	30	6	7	8	1	3	10
11	6	8	4	1	8	3	5	9	2	7	
	5	9	6	3	1	8	10	10	11	7	4
12	8	4	3	9	7	2	1	5	6		
3	2	1	7	5	10	4	6	3	8	9	
7	3	2	5	16	7	9	8	1	4	6	8
	4	7	8	6	2	3	5	11	5	9	3
16	1	6	9	13	8	5	4	10	7	3	2

! Rules: Fill in the grid so that every row, every column, and every 3x3 box contains the digits 1 through 9. The grey cell must contain even numbers, the white cells must contain odd numbers.

Start

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

Solution

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

Start

2								9
				4				
	3			5			8	
				7				
6								1

Solution

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

Irregular Sudoku ■



Rules: Fill in the grid so that every row, every column, and every outlined region contains the digits 1 through 9.

Start

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



Solution

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

Multi Sudoku x2



Rules: Fill in the grid so that every row, every column, and every 3x3 box of both grids contains the digits 1 through 9.

Start

[illegible]

Solution

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

Toroidal Sudoku ■



Rules: Fill in the grid so that every row, every column, and every outlined region contains the digits 1 through 9. Some of the outlined regions will wrap between the top and bottom edges, and/or the left and right edges of the grid.

Start

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



Solution

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

Extra-Regions Sudoku ■



Rules: Fill in the grid so that every row, every column, and every 3x3 box contains the digits 1 through 9. The two-tone extra-regions must contain each the digits 1 through 9.

Start

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



Solution

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

Outside Sudoku

! **Rules:** Fill in the grid so that every row, every column, and every 3x3 box contains the digits 1 through 9. Outside digits must be inserted in the corresponding row or column of the contiguous box.

Start

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

Solution

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

Frame Sudoku

! **Rules:** Fill in the grid so that every row, every column, and every 3x3 box contains the digits 1 through 9. Digits in the outside frame equal the sum of the three numbers of the corresponding row or column in the contiguous box.

Start

	11	21	13	14	12	19	13	14	18	
23					1					9
12		7						5		20
10										16
16					5					16
9	5			4		9			2	15
20					6					14
15										13
17		6						8		11
13					4					21
	16	9	20	18	14	13	13	21	11	

Solution

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

! **Rules:** Fill in the grid so that every row, every column, and every 3x3 box contains the digits 1 through 9. All neighbouring cells with consecutive digits have a thick border/dot in between.

Start

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

Solution

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

! **Rules:** Put the numbers 1-9 into the triangular cells so that each of 6 large triangles and every line (of any length, even uncontinuous) contain every digit 1-9 not more than once. Attention: the border lines consist of 8 cells.

Start

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

Solution

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

Consecutive Sudoku

Star Sudoku

Pandigital Sudoku

! Rules: Fill in the square with digits from 1 to 9 so that in each row, in each column, and in each 3x3 region all digits are different. Some rows and columns form correct arithmetic expressions reading from left to right or from top to bottom.

Start

2		3
		8

+

		8

=

9		7
3		

+

2		

=

4		3
9		1
6	7	2

+

		9

=

8		2
		1

=

1		

+

6		
		9
2		

Solution

4	7	3
2	1	9
6	5	8

+

5	1	6
3	4	8
2	9	7

=

9	8	2
3	4	7
1	8	5

+

4	8	3
9	5	1
6	7	2

=

1	7	5
8	2	6
4	9	3

+

5	9	2
8	6	4
7	3	1

=

7	3	4
1	2	5
8	6	9

+

6	1	8
7	3	9
2	5	4

Product Sudoku

! Rules: Fill in the grid so that every row, every column, and every 3x3 box contains the digits 1 through 9. The product of the digits within each sub-region is equal to the specified number. Digits in a sub-region need not to be different from each other.

Start

630			27		8		336
32			60		189		
	504				40		
15		36		14		96	
72		3		24			45
756		56	40		72		45
			12				8
3		48		45	14	7	
20	12					24	

Solution

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

! Rules: Fill in the grid so that every row, every column, and every 3x2 or 2x3 box contains the digits 1 through 6.

Start

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

Solution

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

! Rules: Fill in the grid so that every row, every column, and every 3x3 box contains the digits 1 through 6. Each digit appears as in a liquid crystal display, as shown in the example. Parts of some digits are already placed in the grid.

Start

Solution

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

Mini Sudoku

Digital Sudoku

Irregular 6x6 Sudoku

! Rules: Fill in the grid so that every row, every column, and every outlined region contains the digits 1 through 6.

Start

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

Solution

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

Irregular 12x12 Sudoku

! Rules: Fill in the grid so that every row, every column, and every outlined region contains the digits 1 through 12.

Start

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

Solution

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

! Rules: Irregular: fill in the grid so that every row, every column, and every outlined region contains the digits 1 through 9.
Diagonal: fill in the grid so that every row, every column, every diagonal and every 3x3 box contains the digits 1 through 9.

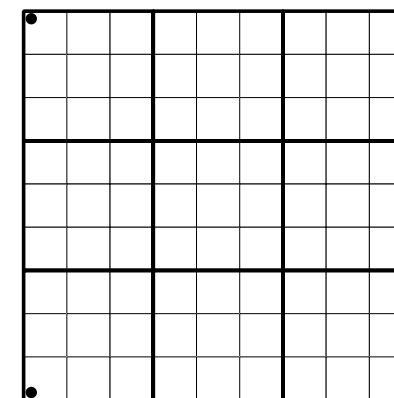
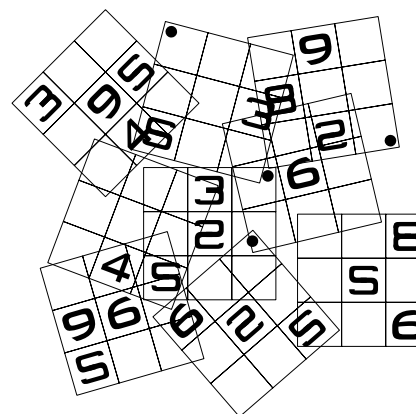
Start

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

Solution

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

! Rules: Place the given pieces into the grid without overlapping them. Then fill in the grid so that every row, every column, and every 3x3 box contains the digits 1 through 9. The four corner boxes of the finalized grid have been marked with dots on the pieces too.



Multi-mixed Sudoku

Mechanical Sudoku

Rules: Fill in the grid so that every row, every column, and every 3x3 box contains the digits 1 through 9. In each 3x3 box there is a different rule to follow.

Digital: Digits are in digital form, as given below.

Odd/Even: Grey cells must contain even digits, white cells must contain odd digits.

Consecutive: All neighbouring cells with consecutive digits have a thick border/dot in between.

Sum: Digits in a sub-region add up to the specified number.

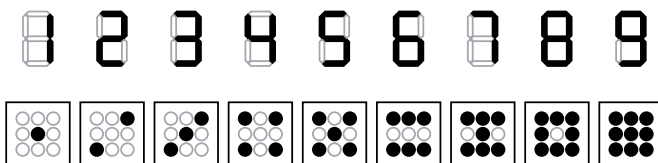
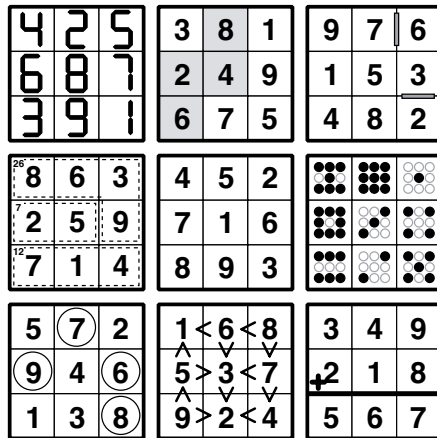
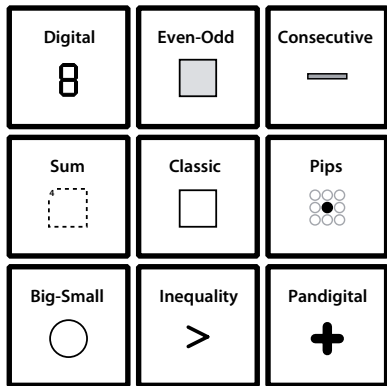
Classic: No special rule.

Pips: Digits are given as pips, like on dominoes or dice, as given below.

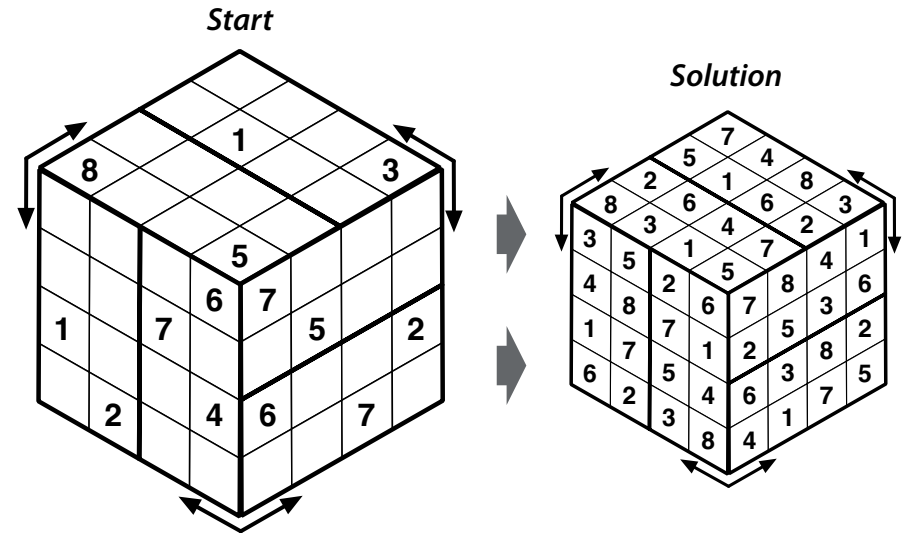
Big/Small: Big digits (from 6 to 9) are on cells with circles, small digits are on blank cells.

Inequality: The inequality sign between each pair of digits must stand correct.

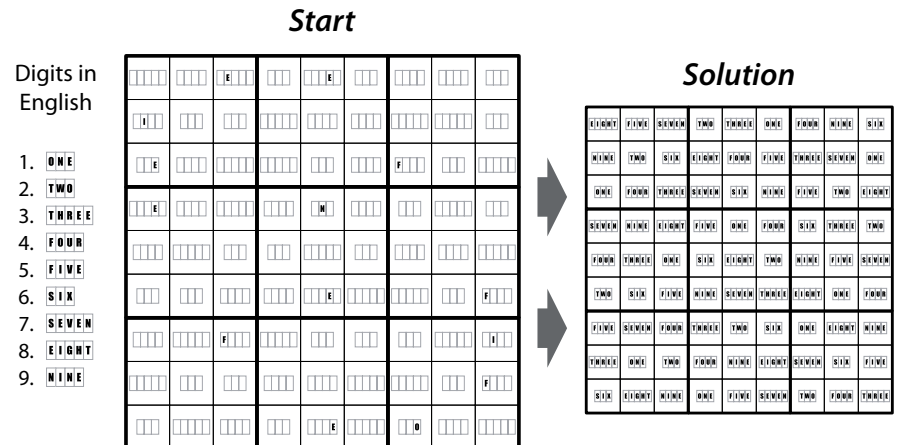
Pandigital: First two rows of numbers add up to the number formed on the third row.



Rules: Fill in the cube so that every outlined region and every layer (as shown by the double arrows) contains the digits 1 through 8.



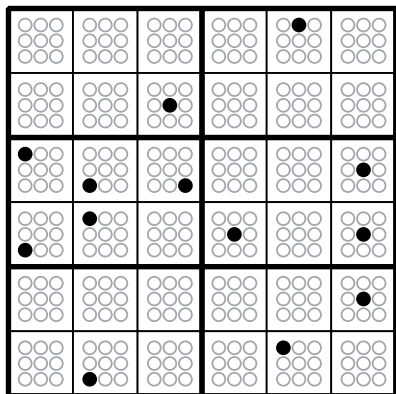
Rules: Fill in the grid so that every row, every column, and every 3x3 box contains the digits 1 through 9. Digits are written in word form and some letters are already given. A neutral language will be used.



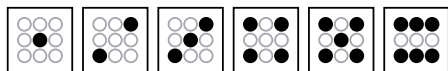
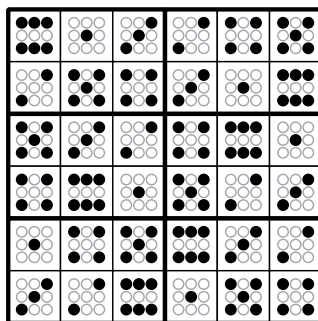
Pips Sudoku

! Rules: Fill in the grid so that every row, every column, and every 3x3 box contains the digits 1 through 6. Both numbers or pips could be used.

Start



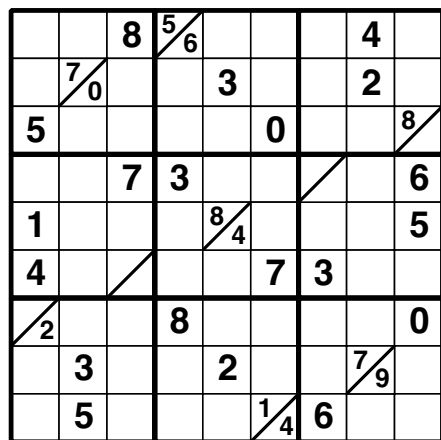
Solution



0-9 Sudoku

! Rules: Fill in the grid so that every row, every column, and every 3x3 box contains the digits 0 through 9. Some cells contain two digits.

Start



Solution

