



Binary Sudoku:

This Sudoku variant contains the numbers 0 and 1. Only two equal numbers can be placed next to each other (horizontal and vertical). In each row and column the numbers or positions filled with 0 are equal with the ones filled with 1.

Example:

1	1	0	1	1	0	0	1	0	0
0	1	1	0	0	1	1	0	0	1
1	0	0	1	0	0	1	0	1	1
0	0	1	0	1	1	0	1	1	0
0	1	1	0	0	1	1	0	0	1
1	0	0	1	1	0	1	0	1	0
0	1	0	1	0	1	0	1	0	1
1	0	1	0	1	0	1	0	1	0
0	1	0	1	1	0	0	1	0	1
1	0	1	0	0	1	0	1	1	0

Solutions:

	1	1		
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There are two positions filled with a 1 next to each other, so left and right the solution are: 0.

0	1	1	0	
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	1		1	
--	---	--	---	--

Only a 0 can be placed between the two positions filled with 1.

	1	0	1	
--	---	---	---	--

	1		1	1	0	1	0		1
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The five numbers 1 are already filled so all the empty fields must be: 0.

0	1	0	1	1	0	1	0	0	1
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1	A	0	1	B	C	1	0	0	1
---	---	---	---	---	---	---	---	---	---

This row the number 0 must be filled once and the number 0 twice. Two numbers 1 cannot both be filled at position B and C so the solution at position A is 1.

1	1	0	1			1	0	0	1
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A	B	0	1	1	C	D	E	1	F
---	---	---	---	---	---	---	---	---	---

This row must be completed with two times 1 and four times 0.

At the fields A and B at least one 1 is needed, two zeros are not possible. The fields C, D and E must be filled with at least one number 1 as well. At position F only a 0 can be placed.

		0	1	1				1	0
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Sudoku Plaza

Binary Sudoku with vertical patterns:

1	0	1	1	0	1	0	0	1	0	1	0	1	0
0	1	0	0	1	0	1	1	0	1	1	0	0	1
1	0	1	0	1	0	0	1	0	1	0	1	1	0
0	1	0	1	0	1	1	0	1	0	0	1	0	1
1	0	1	0	1	0	0	1	1	0	1	0	0	1
0	1	0	0	1	1	0	1	0	1	0	1	1	0
0	0	1	1	0	1	1	0	0	1	0	0	1	1
1	0	1	0	1	0	0	1	1	0	1	1	0	0
1	1	0	1	0	1	0	0	1	0	1	1	0	0
0	1	0	1	0	0	1	1	0	1	0	0	1	1
0	0	1	0	1	0	1	0	1	0	1	0	1	1
1	1	0	1	0	1	0	1	0	1	0	1	0	0
0	0	1	0	1	0	1	0	0	1	1	0	1	1
1	1	0	1	0	1	1	0	1	0	0	1	0	0

This binary Sudoku variant has an extra rule, at the colored positions with equal color the numbers or positions filled with 0 must be equal with the ones filled with 1. So the blue positions in column one and two contain seven times a 1 and seven times a 0. The same applies to the white positions in column one and two.




Binary Sudoku with vertical and horizontal patterns:

0	1	0	1	1	0	1	1	0	1	0	0	1	0
1	1	0	0	1	1	0	0	1	0	1	1	0	0
0	0	1	1	0	0	1	0	1	1	0	1	0	1
0	1	0	0	1	1	0	1	0	0	1	0	1	1
1	0	1	0	1	0	1	0	1	0	1	1	0	0
1	0	0	1	0	1	0	0	1	1	0	1	1	0
0	1	1	0	0	1	0	1	0	1	0	0	1	1
1	0	1	0	1	0	1	0	1	0	1	0	0	1
1	1	0	1	0	1	0	1	0	1	0	1	0	0
0	0	1	1	0	0	1	0	1	1	0	0	1	1
1	0	1	0	1	1	0	1	0	0	1	0	1	0
0	1	0	1	1	0	1	0	1	0	1	1	0	0
1	0	0	1	0	0	1	1	0	1	0	1	0	1
0	1	1	0	0	1	0	1	0	0	1	0	1	1

This variant has one extra rule, the horizontal fields marked with a color at the bottom the numbers of 1 are equal to that with 0.

0	0	1	1	0	0	1	0	1	1	0	1	0	1
0	1	0	0	1	1	0	1	0	0	1	0	1	1

At row one and two the fields are filed with: .