

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				
Ther	e are	two p	ositio	ns fil	led with a 1 next to each other, so left and right the solution are:	0.
0	1	1	0			

	1		1			
Only	a 0 c	an be	place	ed bet	ween the two positions filled with 1	
	1	Λ	1			

											-
		1		1	1	0	1	0		1	
,	The	five n	umbe	ers 1 a	re alr	eady 1	filled	so all	the e	mpty	fields must be: 0.
	0	1	0	1	1	0	1	0	0	1	

1	Α	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
A	В	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 0 11	 ***********		0110	 	 <u> </u>	0.01110	1
	0	1	1		1	0	l



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

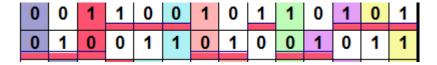
This binary Sudoku variant has an extra rule, ate the colored positions with equal color the numbers or positions filled with 0 must be equal with the ones filled with 1. So the blue positions in column one and two contain seven times a 1 and seven times a 0. The same applies to the white positions in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



At row one and two the fields are filed with: