

# Takuzo (Binairo)

Given a  $2n \times 2m$  grid of 1's and 0's fill the remaining cells such that the following is true,

1. In each row and column there are an equal number of 1's and 0's
2. In each row and column there are no 3 adjacent 1's or 0's
3. There are no duplicate rows or columns

## Examples

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

Good

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

Bad  
Rule 3

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

Bad  
Rule 1+2

,

~

~