

榻榻米 Tatami

Tatami is logical game formed of rectangular Tatamis with weigh of 1 and same length. The objective is to number all empty cells (using numbers from 1 up to the numerical size of the tatami) with following restrictions.

Rules:

- 1) The numbers within a rectangular Tatami must all be different.
- 2) Horizontally or vertically adjacent puzzle cells must not contain the same number.
- 3) Each row and column of the puzzle must contain the same number of appearances of each number.

Samples:

		2		3	
		3			
			3		
	3			3	2
2	1		2	1	
		1			1

Stage 1:

Place suitable numbers in the tatamis with only one space.

		2		3	
		3			
			3		
	3			3	2
2	1	3	2	1	3
		1			1

Stage 2:

Fill in the spaces which have two different numbers adjacent to them.

		2	1	3	
		3			
			3		
1	3		1	3	2
2	1	3	2	1	3
		1	3		1

Stage 3:

Consider horizontally or vertically adjacent puzzle cells must not contain the same number, fill in all the remaining spaces with suitable numbers.

1	3	2	1	3	2
2	1	3	2	1	3
3	2	1	3	2	1
1	3	2	1	3	2
2	1	3	2	1	3
3	2	1	3	2	1