

數聯 Fillomino

Fillomino puzzle is a logical puzzle. The objective is to uncover the one unique layout of lands (shapes made by combining individual squares)

Rules:

- 1) The numbers in cells represent the numbers of cells occupied by the lands;
- 2) Only cells beside each other can be connected to form a land. Cells diagonal to each other cannot be connected;
- 3) no two lands comprised of the same integer are immediately adjacent to each other

Sample

5				
		3		2
	4		1	
3	1	4		
3			2	4

Stage 1

Consider the '4' at the bottom right corner, there are exactly 3 linked empty cells. If all these 3 cells are filled with '4's, the '4' in the middle of the fourth row will be adjacent to it. Hence, we know that the two '4's belong to same land.

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

Stage 2

Consider the '2' on the right, the empty cell below can only be connected to it, so must be '2'. The empty cell below the middle '3' is similar case. '3' and '2' are placed on the left of the bottom '2'.

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

Stage 3

Fill in the remaining empty spaces with possible numbers.

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