

多米諾 Dominosa

Dominosa is a logic puzzle. The objective is to find the location of all dominoes on the grid. A domino is a pair of numbers. You can have only one of each pair.

Example

0	3	2	3	2
1	1	1	3	2
0	3	2	1	0
1	0	2	3	0

Stage 1:

Find the unique pair. For example, the (0,0) at the right bottom corner.

0	3	2	3	2
1	1	1	3	2
0	3	2	1	0
1	0	2	3	0

Stage 2:

There must be a pair of (0,2), so the '0' and '2' must be a pair. And (0,1) and (1,3) can be found.

0	3	2	3	2
1	1	1	3	2
0	3	2	1	0
1	0	2	3	0

Stage 3:

Consider the '3' on the third row, since there is already a pair of (1,3), this '3' must be paired up with '2'.

0	3	2	3	2
1	1	1	3	2
0	3	2	1	0
1	0	2	3	0

Stage 4:

Finish the remaining five pairs.

0	3	2	3	2
1	1	1	3	2
0	3	2	1	0
1	0	2	3	0