ONE UP

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Between each pair of walls, place the numbers 1 through n, where n is the length of the space. For example, a single square — one with walls immediately on either side of it — will be filled with a 1. Two-square spaces will be filled with a 1 and a 2, and so on. The order of the numbers in the squares is for you to determine.

Ex.

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

6	1	2	4	3	5
4	5	1	3	2	6
3	4	2	1	1	2
5	3	4	2	1	1
1	2	3	1	2	3
2	1	1	2	3	4