994. Rotten Oranges

Medium

You are given an m \mathbf{x} n grid where each cell can have one of three values:

- 0 representing an empty cell,
- 1 representing a fresh orange, or
- 2 representing a rotten orange.

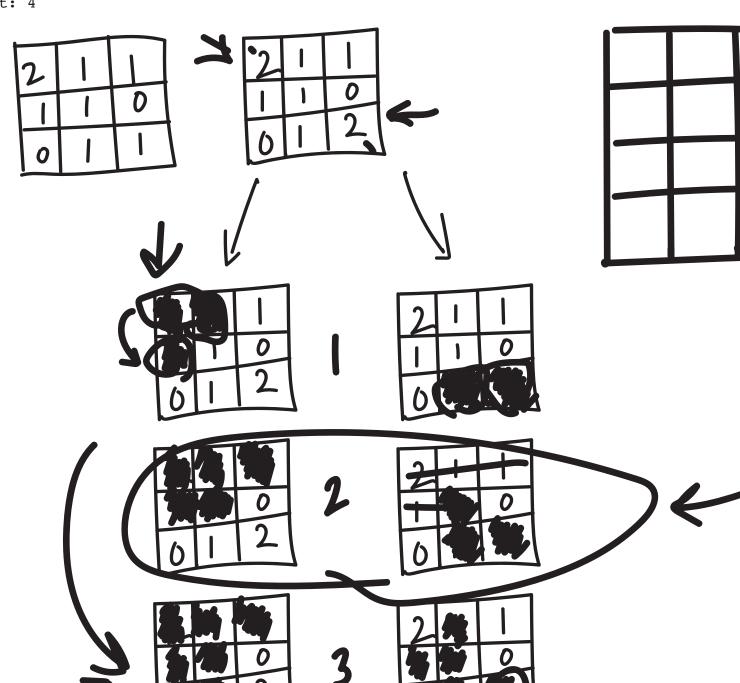
Every minute, any fresh orange that is 4-directionally adjacent to a rotten orange becomes rotten.

Return the minimum number of minutes that must elapse until no cell has a fresh orange. If this is impossible, return -1.

Example 1:

[2,1,1]	[2,2,1]	[2,2,2]	[2,2,2]	[2,2,2]
[1,1,0] ->	[2,1,0] ->	[2,2,0] ->	[2,2,0] ->	[2,2,0]
[0,1,1]	[0,1,1]	[0,1,1]	[0,2,1]	[0,2,2]
Input: $grid = [[2.1.1], [1.1.0], [0.1.1]]$				

Output: 4



MFXRot