

994. Rotten Oranges

Medium

You are given an m 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

max Rot

