## **€** Companies ∩ Hint ♥ Topics Medium Given an $m \times n$ integer matrix grid, return the maximum score of a path starting at (0, 0) and ending at (m - 1, n) 1) moving in the 4 cardinal directions. The **score** of a path is the minimum value in that path. For example, the score of the path 8 → 4 → 5 → 9 is 4. Example 1: 5 4 5 1 2 6 7 4 6 **Input:** grid = [[5,4,5],[1,2,6],[7,4,6]]Output: 4 Explanation: The path with the maximum score is highlighted in yellow. Example 2: 2 2 2 2 2 2 Input: grid = [[2,2,1,2,2,2],[1,2,2,2,1,2]]Output: 2 Example 3: 3 3 4 6 4 2 1 1 7 0 3 2 7 8 8 3 2 8 4 9 4 1 2 0 0 6 5 3 4 4 Input: grid = [[3,4,6,3,4],[0,2,1,1,7],[8,8,3,2,7],[3,2,4,9,8],[4,1,2,0,0],[4,6,5,4,3]] Output: 3 Constraints: • m == grid.length n == grid[i].length • 1 <= m, n <= 100 • 0 <= grid[i][j] <= 10<sup>9</sup> Seen this question in a real interview before? 1/5 Yes No Accepted 64.1K Submissions 119.1K Acceptance Rate 53.8% Topics Binary Search Depth-First Search Breadth-First Search Heap (Priority Queue) Matrix Array Union Find Companies 0 - 6 months Amazon (2) 6 months ago Google 2 Hint 1 What if we sort each cell of the matrix by the value? Hint 2 Don't include small values in your path if you can only include large values. Hint 3 Let's keep adding a possible cell to use in the path incrementally with decreasing values. Hint 4 If the start and end cells are connected then we don't need to add more cells. Hint 5 Use union-find data structure to check connectivity and return as answer the value of the given cell that makes start and end cells connected. **₩** Similar Questions Path With Minimum Effort Medium Discussion (10)

Copyright © 2024 LeetCode All rights reserved

1102. Path With Maximum Minimum Value Premium