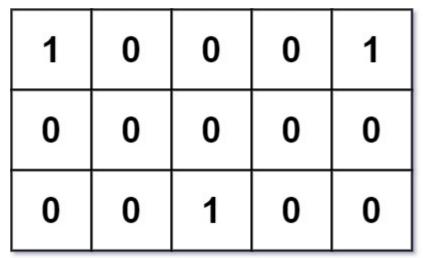
Example 1:



Input: grid = [[1,0,0,0,1],[0,0,0,0,0],[0,0,1,0,0]] Output: 6 **Explanation:** Given three friends living at (0,0), (0,4), and (2,2). The point (0,2) is an ideal meeting point, as the total travel distance of 2 + 2 + 2 = 6 is minimal. So return 6.

Example 2:

Input: grid = [[1,1]] Output: 1

Constraints:

- m == grid.length
- n == grid[i].length

• $1 \le m$, $n \le 200$ • grid[i][j] is either 0 or 1. There will be at least two friends in the grid. Accepted 52,459 Submissions 88,699 Seen this question in a real interview before? Yes No Companies 🛅 i 0 ~ 6 months 6 months ~ 1 year 1 year ~ 2 years Facebook | 5 | Expedia | 2 **Related Topics** Sorting Matrix Array Similar Questions Shortest Distance from All Buildings Hard Minimum Moves to Equal Array Elements II Medium Hide Hint 1

Try to solve it in one dimension first. How can this solution apply to the two dimension case?

17 18 v private int minDistance1D(List<Integer> points, int origin) { int distance = 0; 19 20 ▼ for (int point : points) { distance += Math.abs(point - origin); 21 22 23 return distance; 24 }