

296. Best Meeting Point

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A group of two or more people wants to meet and minimize the total travel distance. You are given a 2D grid of values 0 or 1, where each 1 marks the home of someone in the group. The distance is calculated using Manhattan Distance, where $\text{distance}(p1, p2) = |p2.x - p1.x| + |p2.y - p1.y|$.

Example:

Input:

```
1 - 0 - 0 - 0 - 1
|   |   |   |   |
0 - 0 - 0 - 0 - 0
|   |   |   |   |
0 - 0 - 1 - 0 - 0
```

Output: 6

Explanation: Given three people 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.

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Seen this question in a real interview before?

Yes

No

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```
1 class Solution(object):
2     def minTotalDistance(self,
3       grid):
4         """
5         :type grid:
6         List[List[int]]
7         :rtype: int
8         """
```

Console

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