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Shortest Absolute Value Distance

Question 1006 of 1025

Medium

You are given a two-dimensional list of integers `matrix`. You can move up, left, right, down and each move from `matrix[a][b]` to `matrix[c][d]` costs `abs(matrix[a][b] - matrix[c][d])`.

Return the minimum cost to move from the top left corner to the bottom right corner.

Constraints

- `1 ≤ n * m ≤ 200,000` where `n` and `m` are the number of rows and columns in `matrix`

Example 1

Input

```
matrix = [
    [1, 100, 1],
    [2, 5, 3],
    [1, 2, 3]
]
```

Output

```
4
```

Explanation

We can move from `1 -> 2 -> 1 -> 2 -> 3`.

Solved	Attempted	Rate
238	365	65.21%

Hint #1 +

Companies +

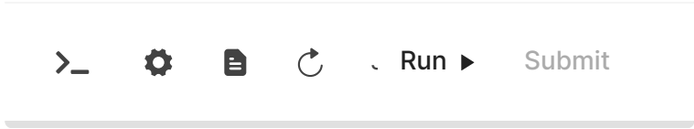
Contributed by **Agnimandur**, **themast3r** and 1 other +

Lachezar

```java
import java.util.*;

class Solution {
    public int solve(int[][] matrix) {

    }
}
```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