A 3 x 3 magic square is a 3 x 3 grid filled with distinct numbers **from 1 to 9** such that each row, column, and both diagonals all have the same sum.

Given an grid of integers, how many 3 x 3 "magic square" subgrids are there?  (Each subgrid is contiguous).

**Example 1:**

**Input:** [[4,3,8,4],

[9,5,1,9],

[2,7,6,2]]

**Output:** 1

**Explanation:**

The following subgrid is a 3 x 3 magic square:

438

951

276

while this one is not:

384

519

762

In total, there is only one magic square inside the given grid.

**Note:**

1. 1 <= grid.length <= 10
2. 1 <= grid[0].length <= 10
3. 0 <= grid[i][j] <= 15