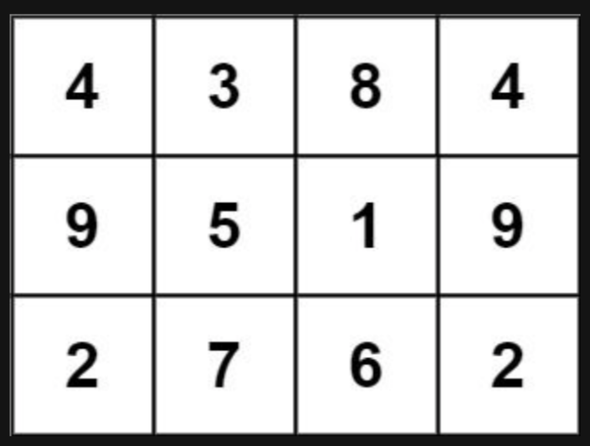
840. Magic Squares In Grid

Description

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.

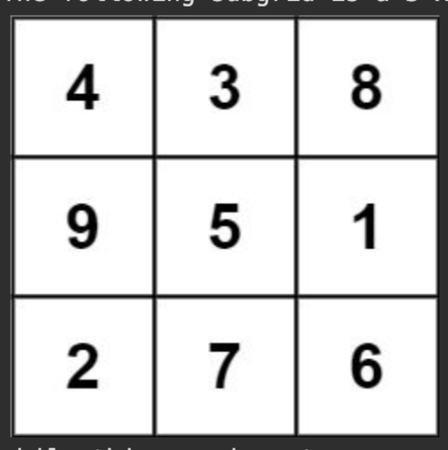
Given a `row x col` `grid` of integers, how many `3 x 3` "magic square" subgrids are there? (Each subgrid is contiguous).

Example 1:

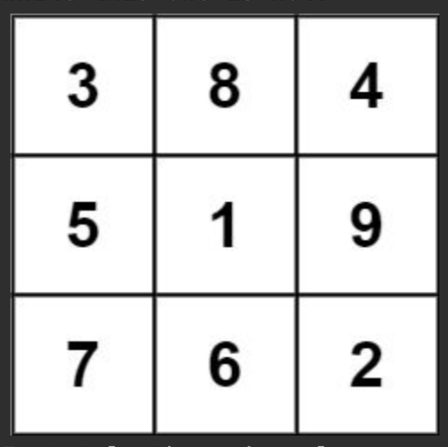



```
Input: grid = [[4,3,8,4],[9,5,1,9],[2,7,6,2]]
Output: 1
Explanation:
```

The following subgrid is a 3 x 3 magic square:



while this one is not:



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

Example 2:

```
Input: grid = [[8]]
Output: 0
```

Constraints:

- `row == grid.length`
- `col == grid[i].length`
- `1 <= row, col <= 10`
- `0 <= grid[i][j] <= 15`