Codewriting 🔰 300

Given a rectangular matrix containing only digits, calculate the number of different `2 × 2` squares in it.

Example

For

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

the output should be
`solution(matrix) = 6`.

Here are all `6` different `2 × 2` squares:

- 1 2
  2 2
- 2 1
  2 2
- 2 2
  2 2
- 2 2
  1 2
- 2 2
  2 3
- 2 3
  2 1

Input/Output

- **[execution time limit] 4 seconds (py3)**

- **[input] array.array.integer matrix**

  Guaranteed constraints:
  `1 ≤ matrix.length ≤ 100,`

`1 ≤ matrix[i].length ≤ 100`,

`0 ≤ matrix[i][j] ≤ 9`.

- **[output] integer**

  The number of different `2 x 2` squares in `matrix`.

[Python 3] Syntax Tips

```python
# Prints help message to the console
# Returns a string
def helloWorld(name):
    print("This prints to the console when you Run Tests")
    return "Hello, " + name
```