BACK

# Different Squares

192,704

DESCRIPTION SOLUTIONS 242 COMMENTS 2 README CODEWRITING SCORE: 300/300

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
`differentSquares(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 (js)**
- **[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 × 2` squares in `matrix`.

**[JavaScript (ES6)] Syntax Tips**

```
// Prints help message to the console
// Returns a string
function helloWorld(name) {
    console.log("This prints to the console when you Run Tests");
    return "Hello, " + name;
}
```