# 5511. Special Positions in a Binary Matrix

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Given a `rows x cols` matrix `mat`, where `mat[i][j]` is either `0` or `1`, return *the number of special positions in `mat`.*

A position `(i,j)` is called **special** if `mat[i][j] == 1` and all other elements in row `i` and column `j` are `0` (rows and columns are **0-indexed**).

| | |
|---|---|
| **User Accepted:** | 0 |
| **User Tried:** | 0 |
| **Total Accepted:** | 0 |
| **Total Submissions:** | 0 |
| **Difficulty:** | Easy |

**Example 1:**

```
Input: mat = [[1,0,0],
              [0,0,1],
              [1,0,0]]
Output: 1
Explanation: (1,2) is a special position because mat[1]
```

**Example 2:**

```
Input: mat = [[1,0,0],
              [0,1,0],
              [0,0,1]]
Output: 3
Explanation: (0,0), (1,1) and (2,2) are special positions.
```

**Example 3:**

```
Input: mat = [[0,0,0,1],
              [1,0,0,0],
              [0,1,1,0],
              [0,0,0,0]]
Output: 2
```

**Example 4:**

```
Input: mat = [[0,0,0,0,0],
              [1,0,0,0,0],
              [0,1,0,0,0],
              [0,0,1,0,0],
              [0,0,0,1,1]]
Output: 3
```

**Constraints:**

- `rows == mat.length`
- `cols == mat[i].length`
- `1 <= rows, cols <= 100`
- `mat[i][j]` is `0` or `1`.

JavaScript

```
/**
 * @param {number[][]} mat
 * @return {number}
 */
const numSpecial = (mat) => {
    let data = [];
    let m = mat.length;
    let n = mat[0].length;
    for (let i = 0; i < m; i++) {
        for (let j = 0; j < n; j++) {
            if (mat[i][j] == 1) {
                data.push({
                    item: mat[i][j],
                    row: i,
                    col: j,
                });
            }
        }
    }
    let cnt = 0;
    for (const d of data) {
        if (check(mat, m, n, d)) cnt++;
    }
    return cnt;
};

const check = (mat, m, n, d) => {
    for (let i = 0; i < m; i++) {
        if (i != d.row) {
            if (mat[i][d.col] == 1) {
                return false;
            }
        }
    }
    for (let j = 0; j < n; j++) {
        if (j != d.col) {
            if (mat[d.row][j] == 1) {
                return false;
            }
```

```
        }
    }
    return true;
};
```

☐ **Custom Testcase** Use Example Testcases

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## Submission Result: Accepted (/submissions/detail/394881665/)

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