5491. Matrix Diagonal Sum

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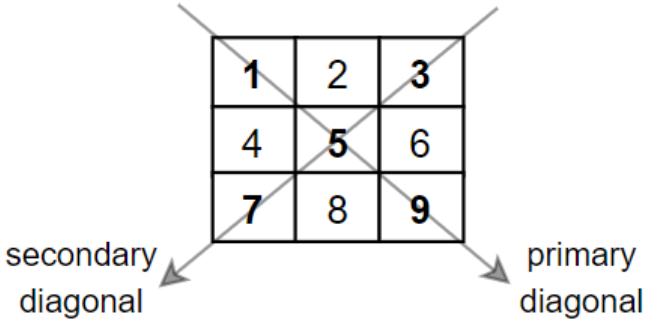
Given a square matrix `mat` , return the sum of the matrix diagonals.

Only include the sum of all the elements on the primary diagonal and all the elements on the secondary diagonal that are not part of the primary diagonal.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Easy

Example 1:




```
Input: mat = [[1,2,3],
              [4,5,6],
              [7,8,9]]
Output: 25
Explanation: Diagonals sum: 1 + 5 + 9 + 3 + 7 = 25
Notice that element mat[1][1] = 5 is counted only once.
```

Example 2:

```
Input: mat = [[1,1,1,1],
              [1,1,1,1],
              [1,1,1,1],
              [1,1,1,1]]
Output: 8
```

Example 3:

```
Input: mat = [[5]]
Output: 5
```

Constraints:

- `n == mat.length == mat[i].length`

- `1 <= n <= 100`
- `1 <= mat[i][j] <= 100`

JavaScript

```javascript
/**
 * @param {number[][]} mat
 * @return {number}
 */
const diagonalSum = (mat) => {
    let n = mat[0].length;
    let diag = [];
    let diag2 = [];
    for (let t = 0; t < n; t++) {
        diag.push(mat[t][t]);
    }
    let t = 0;
    while ((n - 1 - t) >= 0) {
        diag2.push(mat[t][n - 1 - t])
        t++;
    }
    let data = diag.concat(diag2);
    let sum = data.reduce((acc, cur) => acc + cur);
    if (n % 2 == 1) {
        let middle = mat[n >> 1][n >> 1];
        sum-=middle;
    }
    return sum;
};
```

Custom Testcase Use Example Testcases

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Submission Result: Accepted (/submissions/detail/391358196/)

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