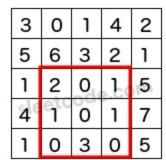


308. Range Sum Query 2D - Mutable

Hard d 384 ♀ 53 ♡ Add to List ☐ Share

Given a 2D matrix, find the sum of the elements inside the rectangle defined by its upper left corner (row1, col1) and lower right corner



The above rectangle (with the red border) is defined by (row1, col1) = (2, 1) and (row2, col2) = (4, 3), which contains sum = 8.

Example:

```
Given matrix = [
[3, 0, 1, 4, 2],
[5, 6, 3, 2, 1],
[1, 2, 0, 1, 5],
[4, 1, 0, 1, 7],
[1, 0, 3, 0, 5]
]

sumRegion(2, 1, 4, 3) -> 8
update(3, 2, 2)
sumRegion(2, 1, 4, 3) -> 10
```

Note:

- The matrix is only modifiable by the update function.
- 2. You may assume the number of calls to update and sumRegion function is distributed evenly.
- 3. You may assume that $row1 \le row2$ and $col1 \le col2$.

Accepted 44,555 Submissions 128,125	
Seen this question in a real interview before? Yes No	
Contributor	
Companies ն i	
Related Topics	
Similar Questions	