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Description

Solution

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1476. Subrectangle Queries

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55

103

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Implement the class `SubrectangleQueries` which receives a `rows x cols` rectangle as a matrix of integers in the constructor and supports two methods:

1. `updateSubrectangle(int row1, int col1, int row2, int col2, int newValue)`

- Updates all values with `newValue` in the subrectangle whose upper left coordinate is `(row1,col1)` and bottom right coordinate is `(row2,col2)`.

2. `getValue(int row, int col)`

- Returns the current value of the coordinate `(row,col)` from the rectangle.

Example 1:

Input

```
["SubrectangleQueries","getValue","updateSubrectar
[[[1,2,1],[4,3,4],[3,2,1],[1,1,1]], [0,2],
[0,0,3,2,5],[0,2],[3,1],[3,0,3,2,10],[3,1],
[0,2]]
```

Output

```
[null,1,null,5,5,null,10,5]
```

Explanation

```
SubrectangleQueries subrectangleQueries = new
SubrectangleQueries([[1,2,1],[4,3,4],[3,2,1],
[1,1,1]]);
// The initial rectangle (4x3) looks like:
// 1 2 1
```

```
1 class SubrectangleQueries {
2
3     def updateSubrectangle(
4         Int, col2: Int, newValue: Int) {
5     }
6
7     def getValue(row: Int, col: Int): Int {
8     }
9 }
10
11
12
13 /**
14  * Your SubrectangleQueries object should be
15  * and called as such:
16  * var obj = new SubrectangleQueries(matrix)
17  * obj.updateSubrectangle(row1, col1, row2, col2, newValue)
18  */
```

Problems

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1476/1505

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