2250. Count Number of Rectangles Containing Each Point

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You are given a 2D integer array `rectangles` where `rectangles[i] = [l_i, h_i]` indicates that i^{th} rectangle has a length of l_i and a height of h_i. You are also given a 2D integer array `points` where `points[j] = [x_j, y_j]` is a point with coordinates (x_j, y_j).

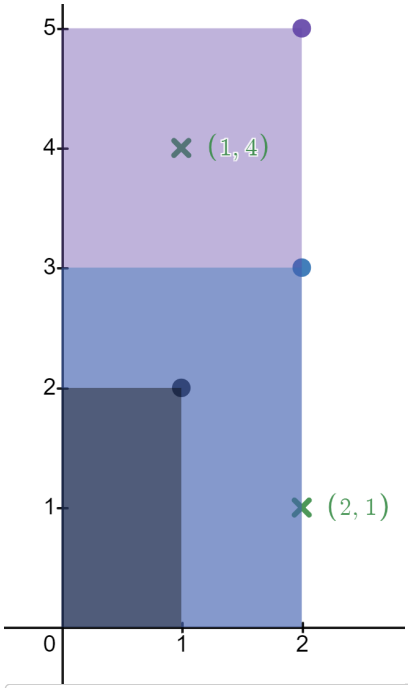
The i^{th} rectangle has its **bottom-left corner** point at the coordinates `(0, 0)` and its **top-right corner** point at (l_i, h_i).

Return *an integer array* `count` *of length* `points.length` *where* `count[j]` *is the number of rectangles that* ***contain*** *the* j^{th} *point.*

The i^{th} rectangle **contains** the j^{th} point if $0 <= x_j <= l_i$ and $0 <= y_j <= h_i$. Note that points that lie on the **edges** of a rectangle are also considered to be contained by that rectangle.

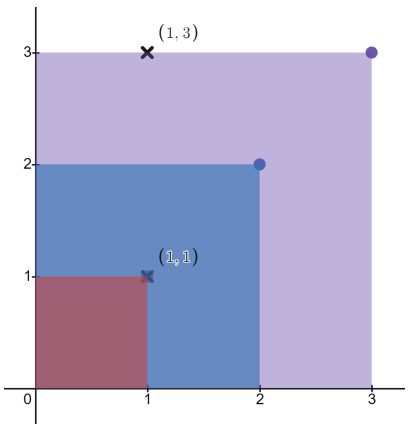
User Accepted:	1347
User Tried:	4651
Total Accepted:	1414
Total Submissions:	10044
Difficulty:	Medium

Example 1:




```
Input: rectangles = [[1,2],[2,3],[2,5]], points = [[2,1],[1,4]]
Output: [2,1]
Explanation:
The first rectangle contains no points.
The second rectangle contains only the point (2, 1).
The third rectangle contains the points (2, 1) and (1, 4).
The number of rectangles that contain the point (2, 1) is 2.
The number of rectangles that contain the point (1, 4) is 1.
Therefore, we return [2, 1].
```

Example 2:



```
Input: rectangles = [[1,1],[2,2],[3,3]], points = [[1,3],[1,1]]
Output: [1,3]
Explanation:
The first rectangle contains only the point (1, 1).
The second rectangle contains only the point (1, 1).
The third rectangle contains the points (1, 3) and (1, 1).
The number of rectangles that contain the point (1, 3) is 1.
The number of rectangles that contain the point (1, 1) is 3.
Therefore, we return [1, 3].
```

Constraints:

- `1 <= rectangles.length, points.length <= 5 * 10^4`
- `rectangles[i].length == points[j].length == 2`
- `1 <= l_i, x_j <= 10^9`
- `1 <= h_i, y_j <= 100`
- All the `rectangles` are **unique**.
- All the `points` are **unique**.

Discuss (https://leetcode.com/problems/count-number-of-rectangles-containing-each-point/discuss)

Go

```
1 func countRectangles(rectangles [][]int, points [][]int) []int {
2
3 }
```

Custom Testcase Use Example Testcases

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