

Problem 3169: Count Days Without Meetings

Problem Information

Difficulty: Medium

Acceptance Rate: 47.99%

Paid Only: No

Tags: Array, Sorting

Problem Description

You are given a positive integer `days` representing the total number of days an employee is available for work (starting from day 1). You are also given a 2D array `meetings` of size `n` where, `meetings[i] = [start_i, end_i]` represents the starting and ending days of meeting `i` (inclusive).

Return the count of days when the employee is available for work but no meetings are scheduled.

Note: The meetings may overlap.

Example 1:

Input: days = 10, meetings = [[5,7],[1,3],[9,10]]

Output: 2

Explanation:

There is no meeting scheduled on the 4th and 8th days.

Example 2:

Input: days = 5, meetings = [[2,4],[1,3]]

Output: 1

****Explanation:****

There is no meeting scheduled on the 5th day.

****Example 3:****

****Input:**** days = 6, meetings = [[1,6]]

****Output:**** 0

****Explanation:****

Meetings are scheduled for all working days.

****Constraints:****

* `1 <= days <= 109` * `1 <= meetings.length <= 105` * `meetings[i].length == 2` * `1 <= meetings[i][0] <= meetings[i][1] <= days`

Code Snippets

C++:

```
class Solution {
public:
    int countDays(int days, vector<vector<int>>& meetings) {

    }
};
```

Java:

```
class Solution {
    public int countDays(int days, int[][] meetings) {

    }
}
```

Python3:

```
class Solution:
    def countDays(self, days: int, meetings: List[List[int]]) -> int:
```