

5767. Check if All the Integers in a Range Are Covered

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You are given a 2D integer array `ranges` and two integers `left` and `right`. Each `ranges[i] = [starti, endi]` represents an **inclusive** interval between `starti` and `endi`.

Return `true` if each integer in the inclusive range `[left, right]` is covered by **at least one** interval in `ranges`. Return `false` otherwise.

An integer `x` is covered by an interval `ranges[i] = [starti, endi]` if `starti <= x <= endi`.

User Accepted:	5
User Tried:	12
Total Accepted:	5
Total Submissions:	12
Difficulty:	Easy

Example 1:

Input: `ranges = [[1,2],[3,4],[5,6]]`, `left = 2`, `right = 5`

Output: `true`

Explanation: Every integer between 2 and 5 is covered:

- 2 is covered by the first range.
- 3 and 4 are covered by the second range.
- 5 is covered by the third range.

Example 2:

Input: `ranges = [[1,10],[10,20]]`, `left = 21`, `right = 21`

Output: `false`

Explanation: 21 is not covered by any range.

Constraints:

- `1 <= ranges.length <= 50`
- `1 <= starti <= endi <= 50`
- `1 <= left <= right <= 50`

JavaScript



```

1 const isCovered = (ranges, left, right) => {
2   outer:
3   for (let x = left; x <= right; x++) {
4     for (const [start, end] of ranges) {
5       if (x >= start && x <= end) continue outer;
6     }
7     return false;
8   }
9   return true;
10 };

```

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