163. Missing Ranges Premium

Solved ●

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You are given an inclusive range `[lower, upper]` and a **sorted unique** integer array `nums`, where all elements are within the inclusive range.

A number `x` is considered **missing** if `x` is in the range `[lower, upper]` and `x` is not in `nums`.

Return *the* ***shortest sorted*** *list of ranges that* ***exactly covers all the missing numbers***. That is, no element of `nums` is included in any of the ranges, and each missing number is covered by one of the ranges.

Example 1:

> **Input:** nums = [0,1,3,50,75], lower = 0, upper = 99
> **Output:** [[2,2],[4,49],[51,74],[76,99]]
> **Explanation:** The ranges are:
> [2,2]
> [4,49]
> [51,74]
> [76,99]

Example 2:

> **Input:** nums = [-1], lower = -1, upper = -1
> **Output:** []
> **Explanation:** There are no missing ranges since there are no missing numbers.

Constraints:

- $-10^9 <= lower <= upper <= 10^9$
- `0 <= nums.length <= 100`
- `lower <= nums[i] <= upper`
- All the values of `nums` are **unique**.

Seen this question in a real interview before? 1/4

Yes No

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