

## Summary Ranges - LeetCode

笔记本: leetcode

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You are given a **sorted unique** integer array `nums`.

A **range**`[a,b]` is the set of all integers from `a` to `b` (inclusive).

Return *the **smallest sorted** list of ranges that **cover all the numbers in the array exactly***. That is, each element of `nums` is covered by exactly one of the ranges, and there is no integer `x` such that `x` is in one of the ranges but not in `nums`.

Each range `[a,b]` in the list should be output as:

- "`a->b`" if `a != b`
- "`a`" if `a == b`

### Example 1:

**Input:** `nums = [0,1,2,4,5,7]`

**Output:** `["0->2","4->5","7"]`

**Explanation:** The ranges are:

`[0,2] --> "0->2"`

`[4,5] --> "4->5"`

`[7,7] --> "7"`

### Example 2:

**Input:** `nums = [0,2,3,4,6,8,9]`

**Output:** `["0","2->4","6","8->9"]`

**Explanation:** The ranges are:

`[0,0] --> "0"`

`[2,4] --> "2->4"`

`[6,6] --> "6"`

`[8,9] --> "8->9"`

**Constraints:**

- $0 \leq \text{nums.length} \leq 20$
- $-2^{31} \leq \text{nums}[i] \leq 2^{31} - 1$
- All the values of nums are **unique**.
- nums is sorted in ascending order.