

228. Summary Ranges

Medium

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Given a sorted integer array without duplicates, return the summary of its ranges.

Example 1:

Input: [0,1,2,4,5,7]

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

Explanation: 0,1,2 form a continuous range; 4,5 form a continuous range.

Example 2:

Input: [0,2,3,4,6,8,9]

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

Explanation: 2,3,4 form a continuous range; 8,9 form a continuous range.

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Seen this question in a real interview before?

Yes

No

```

1 package Algorithm;
2
3 import java.util.ArrayList;
4 import java.util.List;
5
6 public class L228 {
7
8     public List<String> summaryRanges(int[] nums) {
9         List<String> result = new ArrayList<String>();
10
11         if(nums.length == 0 || nums == null) {
12             return result;
13         }
14
15         int start = 0, end = 0;
16         while(end < nums.length) {
17             //这个表示还可以往前
18             if(end + 1 < nums.length && nums[end + 1] == nums[end] + 1) {
19                 end ++;
20             }else {
21                 //意思是后面的不连续了，接着判断这串连续数字里面是不是只有一个数字
22                 if(start == end) {
23                     result.add(Integer.toString(nums[start]));
24                 }else {
25                     String str = nums[start] + "<!--" + nums[end];
26                     result.add(str);
27                 }
28                 end++;
29                 start = end;
30             }
31         }
32         return result;
33     }
34 }
35

```