

[每日 LeetCode] 674. Longest Continuous Increasing Subsequence

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原文链接: <https://ld246.com/article/1555253813703>

来源网站: [链滴](#)

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Description:

Given an unsorted array of integers, find the length of longest **continuous** increasing subsequence (subarray).

Example 1:

Input: [1,3,5,4,7]

Output: 3

Explanation: The longest continuous increasing subsequence is [1,3,5], its length is 3. Even though [1,3,5,7] is also an increasing subsequence, it's not a continuous one where 5 and 7 are separated by 4.

Example 2:

Input: [2,2,2,2,2]

Output: 1

Explanation: The longest continuous increasing subsequence is [2], its length is 1.

Note:

Length of the array will not exceed 10,000.

思路：本题要求数组中连续最大的递增子序列个数。直接遍历数组，若递增，计数器加1，并及时更新最大长度。

C++代码

```
class Solution {
public:
    int findLengthOfLCIS(vector<int>& nums) {
        int size = nums.size();
        if (size == 0)
            return 0;
        int m = 1, count = 1;
        for (int i=0; i<size-1; i++){
            if (nums[i+1] > nums[i]){
                m = max(m,++count);
            }
            else
                cur = 1;
        }
        return m;
    }
};
```

运行时间： 24ms

运行内存： 9.3M