

Problem List

Problem List

Editorial

Solutions

Submissions

1708. Largest Subarray Length K

Premium

Solved

Easy

Topics

Companies

Hint

An array A is larger than some array B if for the first index i where $A[i] \neq B[i]$, $A[i] > B[i]$.

For example, consider 0-indexing:

$[1,3,2,4] > [1,2,2,4]$, since at index 1, $3 > 2$.

$[1,4,4,4] < [2,1,1,1]$, since at index 0, $1 < 2$.

A subarray is a contiguous subsequence of the array.

Given an integer array `nums` of **distinct** integers, return the **largest** subarray of `nums` of length `k`.

Example 1:

Input: `nums = [1,4,5,2,3]`, `k = 3`

Output: `[5,2,3]`

Explanation: The subarrays of size 3 are: `[1,4,5]`, `[4,5,2]`, and `[5,2,3]`. Of these, `[5,2,3]` is the largest.

Example 2:

Input: `nums = [1,4,5,2,3]`, `k = 4`

Output: `[4,5,2,3]`

Explanation: The subarrays of size 4 are: `[1,4,5,2]`, and `[4,5,2,3]`. Of these, `[4,5,2,3]` is the largest.

Example 3:

Input: `nums = [1,4,5,2,3]`, `k = 1`

Output: `[5]`

Constraints:

$1 \leq k \leq \text{nums.length} \leq 10^5$

$1 \leq \text{nums}[i] \leq 10^9$

All the integers of `nums` are **unique**.

Follow up:

What if the integers in `nums` are not distinct?

Seen this question in a real interview before?

1/5

Yes

No

Accepted

8.4K

Submissions

13K

Acceptance Rate

64.7%

Topics

Companies

Hint 1

Hint 2

Discussion (1)

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101

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</> Code

Python3

Auto

1

class Solution:

2

def largestSubarray(self, nums: List[int], k: int) -> List[int]:

3

4

if k == 1:

5

return [max(nums)]

6

7

key = max(nums[-(k-1)])

8

ind1 = nums.index(key)

9

10

return nums[ind1:ind1+k]

11

Saved

Ln 11, Col 9

Testcase

Test Result

Accepted

Runtime: 32 ms

Case 1

Case 2

Case 3

Input

nums =

[1,4,5,2,3]

k =

3