

# Problem 2519: Count the Number of K-Big Indices

## Problem Information

**Difficulty:** Hard

**Acceptance Rate:** 53.44%

**Paid Only:** Yes

**Tags:** Array, Binary Search, Divide and Conquer, Binary Indexed Tree, Segment Tree, Merge Sort, Ordered Set

## Problem Description

You are given a \*\*0-indexed\*\* integer array `nums` and a positive integer `k`.

We call an index `i` \*\*k-big\*\* if the following conditions are satisfied:

- \* There exist at least `k` different indices `idx1` such that `idx1 < i` and `nums[idx1] < nums[i]` .
- \* There exist at least `k` different indices `idx2` such that `idx2 > i` and `nums[idx2] < nums[i]` .

Return \_the number of k-big indices\_.

**Example 1:**

**Input:** nums = [2,3,6,5,2,3], k = 2 **Output:** 2 **Explanation:** There are only two 2-big indices in nums: - i = 2 --> There are two valid idx1: 0 and 1. There are three valid idx2: 2, 3, and 4. - i = 3 --> There are two valid idx1: 0 and 1. There are two valid idx2: 3 and 4.

**Example 2:**

**Input:** nums = [1,1,1], k = 3 **Output:** 0 **Explanation:** There are no 3-big indices in nums.

**Constraints:**

\* `1 <= nums.length <= 105` \* `1 <= nums[i], k <= nums.length`

## Code Snippets

### C++:

```
class Solution {  
public:  
    int kBigIndices(vector<int>& nums, int k) {  
  
    }  
};
```

### Java:

```
class Solution {  
public int kBigIndices(int[] nums, int k) {  
  
}  
}
```

### Python3:

```
class Solution:  
    def kBigIndices(self, nums: List[int], k: int) -> int:
```