Longest Subarray with Majority Greater than K

Given an array **arr[]** and an integer **k**, the task is to find the length of **longest** subarray in which the **count** of elements **greater than k** is **more** than the **count** of elements **less than or equal to k**.

Examples:

Input: arr[] = [1, 2, 3, 4, 1], k = 2

Output: 3
Explanation: The subarray [2, 3, 4] or [3, 4, 1] satisfy the given condition, and there is no subarray of length 4 or 5 which will hold the given condition, so the answer is 3.

Input: arr[] = [6, 5, 3, 4], k = 2

Output: 4
Explanation: In the subarray [6, 5, 3, 4], there are 4 elements > 2 and 0 elements <= 2, so it is the longest subarray.

Constraints:
$1 \leq arr.size() \leq 10^6$
$1 \leq arr[i] \leq 10^6$
$0 \leq k \leq 10^6$