

# 2488. Count Subarrays With Median K

## Description

You are given an array `nums` of size `n` consisting of **distinct** integers from `1` to `n` and a positive integer `k`.

Return *the number of non-empty subarrays in `nums` that have a median equal to `k`*.

**Note :**

- The median of an array is the **middle** element after sorting the array in **ascending** order. If the array is of even length, the median is the **left** middle element.
  - For example, the median of `[2,3,1,4]` is `2`, and the median of `[8,4,3,5,1]` is `4`.
- A subarray is a contiguous part of an array.

### Example 1:

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

**Output:** `3`

**Explanation:** The subarrays that have a median equal to 4 are: `[4]`, `[4,5]` and `[1,4,5]`.

### Example 2:

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

**Output:** `1`

**Explanation:** `[3]` is the only subarray that has a median equal to 3.

### Constraints:

- `n == nums.length`
- `1 <= n <= 105`
- `1 <= nums[i], k <= n`
- The integers in `nums` are distinct.

