

## 2461. Maximum Sum of Distinct Subarrays With Length K

Solved ●

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You are given an integer array `nums` and an integer `k`. Find the maximum subarray sum of all the subarrays of `nums` that meet the following conditions:

- The length of the subarray is `k`, and
- All the elements of the subarray are **distinct**.

Return the maximum subarray sum of all the subarrays that meet the conditions. If no subarray meets the conditions, return `0`.

A **subarray** is a contiguous non-empty sequence of elements within an array.

### Example 1:

**Input:** `nums = [1,5,4,2,9,9,9]`, `k = 3`

**Output:** 15

**Explanation:** The subarrays of `nums` with length 3 are:

- `[1,5,4]` which meets the requirements and has a sum of 10.
- `[5,4,2]` which meets the requirements and has a sum of 11.
- `[4,2,9]` which meets the requirements and has a sum of 15.
- `[2,9,9]` which does not meet the requirements because the element 9 is repeated.
- `[9,9,9]` which does not meet the requirements because the element 9 is repeated.

We return 15 because it is the maximum subarray sum of all the subarrays that meet the conditions

### Example 2:

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

**Output:** 0

**Explanation:** The subarrays of `nums` with length 3 are:

- `[4,4,4]` which does not meet the requirements because the element 4 is repeated.

We return 0 because no subarrays meet the conditions.

### Constraints:

- `1 <= k <= nums.length <= 105`
- `1 <= nums[i] <= 105`

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Yes No

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Hint 1



Hint 2



Hint 3



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