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239. Sliding Window Maximum

Hard

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You are given an array of integers `nums`, there is a sliding window of size `k` which is moving from the very left of the array to the very right. You can only see the `k` numbers in the window. Each time the sliding window moves right by one position.

Return *the max sliding window*.

Example 1:

Input: `nums = [1,3,-1,-3,5,3,6,7]`, `k = 3`
Output: `[3,3,5,5,6,7]`
Explanation:

Window position	Max
[1 3 -1] -3 5 3 6 7	3
1 [3 -1 -3] 5 3 6 7	3
1 3 [-1 -3 5] 3 6 7	5
1 3 -1 [-3 5 3] 6 7	5
1 3 -1 -3 [5 3 6] 7	6
1 3 -1 -3 5 [3 6 7]	7

Example 2:

Input: `nums = [1]`, `k = 1`
Output: `[1]`

Constraints:

- `1 <= nums.length <= 105`
- `-104 <= nums[i] <= 104`
- `1 <= k <= nums.length`

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class Solution {

public int[] maxSlidingWindow(int[] nums, int k) {

}

}

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https://leetcode.com/problems/sliding-window-maximum/

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