배열 nums가 주어졌을 때 k 크기의 슬라이딩 윈도우를 오르쪽 끝까지 이동하면서 최대 슬라이딩 윈도우를 구하라.

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Input: nums = [1,3,-1,-3,5,3,6,7], k = 3
Output: [3,3,5,5,6,7]
Explanation:
Window position
                          Max
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[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
1.deque 활용
from collections import deque
class Solution:
  def maxSlidingWindow(self, nums: List[int], k: int) -> List[int]:
     q = deque()
     result = ∏
     for i in range(len(nums)):
       # the first/left (max) element is out of the current window
       if q and i - q[0] == k:
          q.popleft()
       while q:
          # pop useles elements from last/right of the queue
          if nums[q[-1]] < nums[i]:
            q.pop()
         else:
            break
       q.append(i)
       if i \ge k-1: # i = k-1 is the beginning of a full window
         result.append(nums[q[0]])
     return result
```