```
\frac{\# \circ \int r \circ S}{N - W + 1}
initial window
0 \sim W - 1
[4, 2, 5, 4, 3, 6, 7]
1 \sim W
```



```
def maxSlidingWindow(self, nums: List[int], w: int) -> List[int]:
    if nums is None or w < 1 or len(nums) < w: filter would
         return None
    qmax = deque() Store idx to check expired position
    res = [0] * (len(nums) - w + 1)
    idx = 0
                                                             321 3
(a, bc) (i)
    for R in range(len(nums)): tail of deque (smallest)
         while qmax and nums[qmax[-1]] <= nums[R]:</pre>
              qmax.pop()
         qmax.append(R) 0-3
         if qmax[0] == R - w: (position require to popleft)
              qmax.popleft()
         if R >= w - 1: eligible window
    collect ons res[idx] = nums[qmax[0]]
              idx += 1
                              value of head of deque
    return res
```



[4,3,5,4,3,6,7]

