56. Longest continuous subarray with absolute diff less than or equal to limit

Code:

```
from collections import deque
def longestSubarray(nums, limit):
    max_deque = deque()
min_deque = deque()
    left = 0
    \max len = 0
        while max_deque and nums[max_deque[-1]] < nums[right]:</pre>
            max_deque.pop()
        while min deque and nums[min_deque[-1]] > nums[right]:
            min_deque.pop()
        max_deque.append(right)
        min deque.append(right)
        while nums[max_deque[0]] - nums[min deque[0]] > limit:
             if max deque[0] < left:</pre>
                max_deque.popleft()
             if min_deque[0] < left:</pre>
                 min deque.popleft()
    return max len
print(longestSubarray(nums, limit))
nums = [10, 1, 2, 4, 7, 2]
limit = 5
print(longestSubarray(nums, limit))
```

Output:

2 4

Time Complexity:

• T(n)=O(n)