Exercise-55 Check If All 1's Are at Least Length K Places Away Given an binary array nums and an integer k, return true if all 1's are at least k places away from each other, otherwise return false. Example 1: Input: nums = [1,0,0,0,1,0,0,1], k = 2 Output: true Explanation: Each of the 1s are at least 2 places away from each other. Example 2: Input: nums = [1,0,0,1,0,1], k = 2 Output: false

Program;

```python
def k_length_apart(nums, k):

    distance = k

    for num in nums:

        if num == 1:

            if distance < k:

                return False

            distance = 0

        else:

            distance += 1

    return True

print(k_length_apart([1,0,0,0,1,0,0,1], 2))

print(k_length_apart([1,0,0,1,0,1], 2))
```

output ;

```
==== RE.
True
False
```

Time complexity O(n),