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.
Program:

```
def k_length_apart(nums, k):
    last_index = -1
    for i in range(len(nums)):
        if nums[i] == 1:
            if last_index != -1 and i - last_index - 1 < k:
                return False
            last_index = i
    return True
nums = [1, 0, 0, 0, 1, 0, 0, 1]
k = 2
print(k_length_apart(nums, k))
```

Output:

Time complexity:

O(N)