1. 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.

Programm:

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

output:

```
PS C:\Users\karth> & C:/Users/karth/AppData/Local/Programs/Python/Python312/python.exe c:/Users/karth/OneDrive/Desktop/daa.py
True
False
PS C:\Users\karth>
```

Time complexity:

F(n)=o(n)