#### Problem #1437: [Check If All 1's Are at Least Length K Places Away](https://leetcode.com/explore/item/3616) (Easy)

<https://leetcode.com/problems/check-if-all-1s-are-at-least-length-k-places-away/>

Solution:

1. If k is 0, then return True.

2. Otherwise, initialize distance to k.

3. Iterate through the nums array. If num in nums is 0, then increment distance by 1.

Otherwise, num is 1. If num is 1, check if distance is greater than or equal to k and then reset to 0. If distance is less than k, return False.

4. Finally return True after iterating through nums (and we have not returned False).

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class Solution:

def kLengthApart(self, nums: List[int], k: int) -> bool:

if k == 0:

return True

distance = k

for num in nums:

if num == 0:

distance += 1

else: # elif num == 1:

if distance >= k:

distance = 0

else:

return False

return True

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