**Problem #1784: Check if Binary String Has At Most One Segment of Ones (**Easy)

<https://leetcode.com/problems/check-if-binary-string-has-at-most-one-segment-of-ones/description/>

My Solution:

1. If length of s is less than or equal to 2, then return True
2. If “1” not in s, then return True
3. Initialize count to 0 where count represents the number of contiguous segments of ones.
4. If character of s at index 0 is “1”, then increment count.
5. Iterate s from index 1 to end. If character at index (I – 1) of s is “0” and character of s at index I is “1”, then increment count. If count is greater than 1 , then return False
6. After iterating through s, return True.

class Solution:

def checkOnesSegment(self, s: str) -> bool:

if len(s) <= 2:

return True

if "1" not in s:

return True

count = 0 # count number of contiguous segments of ones

if s[0] == '1':

count += 1

for i in range(1, len(s)):

if s[i - 1] == '0' and s[i] == '1':

count +=1

if count > 1:

return False

return True