Problem #1876 Substrings of size Three with Distinct Characters (Easy)

<https://leetcode.com/problems/substrings-of-size-three-with-distinct-characters/description/>

My Solution:

1. Initialize ans to 0.
2. Let n be length of the string s
3. Iterate through the string from index = 0 to index = n – 3.
4. During each iteration, check whether the characters at index i and index I + 1 are different, characters at index i and index I + 2 are different, and characters at index i +2 and index I + 1 are different. If so, increment ans by 1.
5. Return ans.

class Solution:

def countGoodSubstrings(self, s: str) -> int:

ans = 0

n = len(s)

for i in range(n - 2):

if s[i] != s[i + 1] and s[i] != s[i + 2] and s[i + 1] != s[i + 2]:

ans += 1

return ans