<https://leetcode.com/problems/consecutive-characters/description/>

The power of the string is the maximum length of a non-empty substring that contains only one unique character.

Given a string s, return the power of s.

**Example 1:**

**Input:** s = "leetcode"

**Output:** 2

**Explanation:** The substring "ee" is of length 2 with the character 'e' only.

**Example 2:**

**Input:** s = "abbcccddddeeeeedcba"

**Output:** 5

**Explanation:** The substring "eeeee" is of length 5 with the character 'e' only.

**Constraints:**

1 <= s.length <= 500

s consists of only lowercase English letters.

**Attempt 1: 2024-12-27**

**Solution 1: Array (10 min)**

class Solution {

    public int maxPower(String s) {

        int max = 1;

        int count = 1;

        char c = s.charAt(0);

        for(int i = 1; i < s.length(); i++) {

            if(s.charAt(i) == c) {

                count++;

            } else {

                count = 1;

                c = s.charAt(i);

            }

            max = Math.max(max, count);

        }

        return max;

    }

}

Time Complexity: O(n)

Space Complexity: O(1)

**Refer to**

[L485.Max Consecutive Ones](note://WEB82363349b5c10e6bb81026cc6ecbdccf)