

Problem 1180: Count Substrings with Only One Distinct Letter

Problem Information

Difficulty: Easy

Acceptance Rate: 80.81%

Paid Only: Yes

Tags: Math, String

Problem Description

Given a string `s`, return _the number of substrings that have only**one distinct** letter_.

Example 1:

Input: s = "aaaba" **Output:** 8 **Explanation:** The substrings with one distinct letter are "aaa", "aa", "a", "b". "aaa" occurs 1 time. "aa" occurs 2 times. "a" occurs 4 times. "b" occurs 1 time. So the answer is $1 + 2 + 4 + 1 = 8$.

Example 2:

Input: s = "aaaaaaaaaa" **Output:** 55

Constraints:

* `1 <= s.length <= 1000` * `s[i]` consists of only lowercase English letters.

Code Snippets

C++:

```
class Solution {
public:
    int countLetters(string s) {
```

```
    }  
};
```

Java:

```
class Solution {  
public int countLetters(String s) {  
  
}  
}
```

Python3:

```
class Solution:  
def countLetters(self, s: str) -> int:
```