

# 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 = "aaaaaaaaa"` **Output:** 55

**Constraints:**

$1 \leq s.length \leq 1000$  `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:
```