

# 1180. Count Substrings with Only One Distinct Letter Premium

Easy Topics Companies Hint

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.

Seen this question in a real interview before? 1/5

Yes No

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Hint 1

What if we divide the string into substrings containing only one distinct character with maximal lengths?

Hint 2

Now that you have sub-strings with only one distinct character, Try to come up with a formula that counts the number of its sub-strings.

Hint 3

Alternatively, Observe that the constraints are small so you can use brute force.

Discussion (4)