

Problem 1156: Swap For Longest Repeated Character Substring

Problem Information

Difficulty: Medium

Acceptance Rate: 43.90%

Paid Only: No

Tags: Hash Table, String, Sliding Window

Problem Description

You are given a string `text`. You can swap two of the characters in the `text`.

Return _the length of the longest substring with repeated characters_.

Example 1:

Input: text = "ababa" **Output:** 3 **Explanation:** We can swap the first 'b' with the last 'a', or the last 'b' with the first 'a'. Then, the longest repeated character substring is "aaa" with length 3.

Example 2:

Input: text = "aaabaaa" **Output:** 6 **Explanation:** Swap 'b' with the last 'a' (or the first 'a'), and we get longest repeated character substring "aaaaaa" with length 6.

Example 3:

Input: text = "aaaaaa" **Output:** 5 **Explanation:** No need to swap, longest repeated character substring is "aaaaaa" with length is 5.

Constraints:

* `1 <= text.length <= 2 * 104` * `text` consist of lowercase English characters only.

Code Snippets

C++:

```
class Solution {  
public:  
    int maxRepOpt1(string text) {  
  
    }  
};
```

Java:

```
class Solution {  
public int maxRepOpt1(String text) {  
  
}  
}
```

Python3:

```
class Solution:  
    def maxRepOpt1(self, text: str) -> int:
```