Problem 1876: Substrings of Size Three with Distinct Characters

Problem Information

Difficulty: Easy
Acceptance Rate: 76.21%
Paid Only: No
Tags: Hash Table, String, Sliding Window, Counting

Problem Description

A string is **good** if there are no repeated characters.

Given a string `s`■■■■■, return _the number of**good substrings** of length **three** in _`s`■■■■■■.

Note that if there are multiple occurrences of the same substring, every occurrence should be counted.

A **substring** is a contiguous sequence of characters in a string.

Example 1:

Input: s = "xyzzaz" **Output:** 1 **Explanation:** There are 4 substrings of size 3: "xyz", "yzz", "zza", and "zaz". The only good substring of length 3 is "xyz".

Example 2:

Input: s = "aababcabc" **Output:** 4 **Explanation:** There are 7 substrings of size 3: "aab", "aba", "bab", "abc", "bca", "cab", and "abc". The good substrings are "abc", "bca", "cab", and "abc".

Constraints:

* `1 <= s.length <= 100` * `s`■■■■■■ consists of lowercase English letters.

Code Snippets

C++:

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

}
};
```

Java:

```
class Solution {
public int countGoodSubstrings(String s) {

}
}
```

Python3:

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