

Problem 647: Palindromic Substrings

Problem Information

Difficulty: Medium

Acceptance Rate: 72.26%

Paid Only: No

Tags: Two Pointers, String, Dynamic Programming

Problem Description

Given a string `s`, return _the number of**palindromic substrings** in it_.

A string is a **palindrome** when it reads the same backward as forward.

A **substring** is a contiguous sequence of characters within the string.

Example 1:

Input: s = "abc" **Output:** 3 **Explanation:** Three palindromic strings: "a", "b", "c".

Example 2:

Input: s = "aaa" **Output:** 6 **Explanation:** Six palindromic strings: "a", "a", "a", "aa", "aa", "aaa".

Constraints:

* `1 <= s.length <= 1000` * `s` consists of lowercase English letters.

Code Snippets

C++:

```
class Solution {  
public:
```

```
int countSubstrings(string s) {  
}  
};
```

Java:

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

Python3:

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