

Problem 459: Repeated Substring Pattern

Problem Information

Difficulty: Easy

Acceptance Rate: 47.43%

Paid Only: No

Tags: String, String Matching

Problem Description

Given a string `s`, check if it can be constructed by taking a substring of it and appending multiple copies of the substring together.

Example 1:

Input: s = "abab" **Output:** true **Explanation:** It is the substring "ab" twice.

Example 2:

Input: s = "aba" **Output:** false

Example 3:

Input: s = "abcabcabcabc" **Output:** true **Explanation:** It is the substring "abc" four times or the substring "abcabc" twice.

Constraints:

* `1 <= s.length <= 104` * `s` consists of lowercase English letters.

Code Snippets

C++:

```
class Solution {  
public:  
    bool repeatedSubstringPattern(string s) {  
  
    }  
};
```

Java:

```
class Solution {  
public boolean repeatedSubstringPattern(String s) {  
  
}  
}
```

Python3:

```
class Solution:  
    def repeatedSubstringPattern(self, s: str) -> bool:
```