

Problem 567: Permutation in String

Problem Information

Difficulty: Medium

Acceptance Rate: 47.99%

Paid Only: No

Tags: Hash Table, Two Pointers, String, Sliding Window

Problem Description

Given two strings `s1` and `s2`, return `true` if `s2` contains a permutation of `s1`, or `false` otherwise.

In other words, return `true` if one of `s1`'s permutations is the substring of `s2`.

Example 1:

Input: s1 = "ab", s2 = "eidbaooo" **Output:** true **Explanation:** s2 contains one permutation of s1 ("ba").

Example 2:

Input: s1 = "ab", s2 = "eidboao" **Output:** false

Constraints:

* `1 <= s1.length, s2.length <= 104` * `s1` and `s2` consist of lowercase English letters.

Code Snippets

C++:

```
class Solution {
public:
    bool checkInclusion(string s1, string s2) {
```

```
    }  
};
```

Java:

```
class Solution {  
    public boolean checkInclusion(String s1, String s2) {  
  
    }  
}
```

Python3:

```
class Solution:  
    def checkInclusion(self, s1: str, s2: str) -> bool:
```