Problem 161: One Edit Distance

Problem Information

Difficulty: Medium
Acceptance Rate: 34.51%
Paid Only: Yes
Tags: Two Pointers, String

Problem Description

Given two strings `s` and `t`, return `true` if they are both one edit distance apart, otherwise return `false`.

A string `s` is said to be one distance apart from a string `t` if you can:

* Insert **exactly one** character into `s` to get `t`. * Delete **exactly one** character from `s` to get `t`. * Replace **exactly one** character of `s` with **a different character** to get `t`.

Example 1:

Input: s = "ab", t = "acb" **Output:** true **Explanation:** We can insert 'c' into s to get t.

Example 2:

Input: s = "", t = "" **Output:** false **Explanation:** We cannot get t from s by only one step.

Constraints:

* `0 <= s.length, t.length <= 104` * `s` and `t` consist of lowercase letters, uppercase letters, and digits.

Code Snippets

C++:

```
class Solution {
public:
bool isOneEditDistance(string s, string t) {

}
};
```

Java:

```
class Solution {
public boolean isOneEditDistance(String s, String t) {

}
}
```

Python3:

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