

Problem 389: Find the Difference

Problem Information

Difficulty: Easy

Acceptance Rate: 59.91%

Paid Only: No

Tags: Hash Table, String, Bit Manipulation, Sorting

Problem Description

You are given two strings `s` and `t`.

String `t` is generated by random shuffling string `s` and then add one more letter at a random position.

Return the letter that was added to `t`.

Example 1:

Input: s = "abcd", t = "abcde" **Output:** "e" **Explanation:** 'e' is the letter that was added.

Example 2:

Input: s = "", t = "y" **Output:** "y"

Constraints:

* `0 <= s.length <= 1000` * `t.length == s.length + 1` * `s` and `t` consist of lowercase English letters.

Code Snippets

C++:

```
class Solution {  
public:  
char findTheDifference(string s, string t) {  
  
}  
};
```

Java:

```
class Solution {  
public char findTheDifference(String s, String t) {  
  
}  
}
```

Python3:

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