

Description

Solution

Discuss (999+)

Submissions

389. Find the Difference

Easy

1982

350

Add to List

Share

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.

Accepted 322,563

Submissions 542,676

Seen this question in a real interview before?

Yes

No

Companies

Related Topics

Hash Table

String

Bit Manipulation

Sorting






Similar Questions

Single Number

Easy

Java

Autocomplete

```
1 class Solution {
2     public char findTheDifference(String s, String t) {
3
4         int[] trackerArray1 = new int[26];
5         int[] trackerArray2 = new int[26];
6
7         for(char ch : s.toCharArray()){
8             trackerArray1[ch - 'a']++;
9         }
10
11        for(char ch : t.toCharArray()){
12            trackerArray2[ch - 'a']++;
13        }
14
15        for(int i = 0; i < 26; i++){
16            if(trackerArray2[i] - trackerArray1[i] == 1){
17                return (char) (i + 'a');
18            }
19        }
20
21        return 'a';
22    }
23 }
```

Your previous code was restored from your local storage. [Reset to default](#)

Testcase

Run Code Result

Debugger

Accepted

Runtime: 0 ms

Your input

"abcd" "abcde"

Output

"e"

Diff

Expected

"e"

Console

Use Example Testcases

Run Code

Submit