

LeetCode

ExploreProblemsInterviewContestDiscussStore

Description

Solution

Discuss (999+)

Submissions

1657. Determine if Two Strings Are Close

Medium👍 1966👏 92💖 Add to List🔖 Share

Two strings are considered **close** if you can attain one from the other using the following operations:

- Operation 1: Swap any two **existing** characters.
 - For example, `abcde` -> `aecdb`
- Operation 2: Transform **every** occurrence of one **existing** character into another **existing** character, and do the same with the other character.
 - For example, `aacabb` -> `babcba` (all `a`'s turn into `b`'s, and all `b`'s turn into `a`'s)

You can use the operations on either string as many times as necessary.

Given two strings, `word1` and `word2`, return `true` if `word1` and `word2` are **close**, and `false` otherwise.

Example 1:

Input: word1 = "abc", word2 = "bca"
Output: true
Explanation: You can attain word2 from word1 in 2 operations.
Apply Operation 1: "abc" -> "acb"
Apply Operation 1: "acb" -> "bca"

Example 2:

Input: word1 = "a", word2 = "aa"
Output: false
Explanation: It is impossible to attain word2 from word1, or vice versa, in any number of operations.

Example 3:

Input: word1 = "cabbba", word2 = "abbccc"
Output: true
Explanation: You can attain word2 from word1 in 3 operations.
Apply Operation 1: "cabbba" -> "caabbb"
Apply Operation 2: "caabbb" -> "baabbb"
Apply Operation 2: "baabbb" -> "abbccc"

Constraints:

- 1 <= word1.length, word2.length <= 10⁵
- word1 and word2 contain only lowercase English letters.

Accepted 97,758Submissions 172,923

Seen this question in a real interview before?

YesNo

Companies👤

Related Topics

Similar Questions

Show Hint 1

Show Hint 2

iJavaAutocomplete

1class Solution {
2public boolean closeStrings(String word1, String word2) {
3}
4}
5}

Run Code

Submit

https://leetcode.com/problems/determine-if-two-strings-are-close/

1/2

