

5701. Check if One String Swap Can Make Strings Equal

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You are given two strings `s1` and `s2` of equal length. A **string swap** is an operation where you choose two indices in a string (not necessarily different) and swap the characters at these indices.

Return `true` if it is possible to make both strings equal by performing **at most one string swap on exactly one of the strings**. Otherwise, return `false`.

Example 1:

Input: `s1 = "bank", s2 = "kanb"`
Output: `true`
Explanation: For example, swap the first character with the last character of `s2` to make `"bank"`.

Example 2:

Input: `s1 = "attack", s2 = "defend"`
Output: `false`
Explanation: It is impossible to make them equal with one string swap.

Example 3:

Input: `s1 = "kelb", s2 = "kelb"`
Output: `true`
Explanation: The two strings are already equal, so no string swap operation is required.

Example 4:

Input: `s1 = "abcd", s2 = "dcba"`
Output: `false`

Constraints:

- `1 <= s1.length, s2.length <= 100`
- `s1.length == s2.length`
- `s1` and `s2` consist of only lowercase English letters.

JavaScript

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```
1 /**
2  * @param {string} s1
3  * @param {string} s2
4  * @return {boolean}
5  */
6 const areAlmostEqual = (s1, s2) => {
7     let n = s1.length;
8     let a1 = [];
9     let a2 = [];
10    for (let i = 0; i < n; i++) {
11        if (s1[i] !== s2[i]) {
12            a1.push(s1[i]);
13            a2.push(s2[i]);
14        }
15    }
16    a1.sort((x, y) => x.localeCompare(y));
17    a2.sort((x, y) => x.localeCompare(y));
18    if (a1.length > 2 || a2.length > 2) return false;
19    if (a1[0] !== a2[0] || a1[1] !== a2[1]) return false;
20    return true;
21 };
```

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☐ Custom Testcase

Use Example Testcases

 Run

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