6265. Count Pairs Of Similar Strings

My Submissions (/contest/weekly-contest-324/problems/count-pairs-of-similar-strings/submissions/) | Back to Contest (/contest/weekly-contest-324/)

You are given a **0-indexed** string array `words`.

Two strings are **similar** if they consist of the same characters.

- For example, `"abca"` and `"cba"` are similar since both consist of characters `'a'`, `'b'`, and `'c'`.
- However, `"abacba"` and `"bcfd"` are not similar since they do not consist of the same characters.

Return *the number of pairs* `(i, j)` *such that* `0 <= i < j <= word.length - 1` *and the two strings* `words[i]` *and* `words[j]` *are similar.*

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Easy

Example 1:

```
Input: words = ["aba","aabb","abcd","bac","aabc"]
Output: 2
Explanation: There are 2 pairs that satisfy the conditions:
- i = 0 and j = 1 : both words[0] and words[1] only consist of characters 'a' and 'b'.
- i = 3 and j = 4 : both words[3] and words[4] only consist of characters 'a', 'b', and 'c'.
```

Example 2:

```
Input: words = ["aabb","ab","ba"]
Output: 3
Explanation: There are 3 pairs that satisfy the conditions:
- i = 0 and j = 1 : both words[0] and words[1] only consist of characters 'a' and 'b'.
- i = 0 and j = 2 : both words[0] and words[2] only consist of characters 'a' and 'b'.
- i = 1 and j = 2 : both words[1] and words[2] only consist of characters 'a' and 'b'.
```

Example 3:

```
Input: words = ["nba","cba","dba"]
Output: 0
Explanation: Since there does not exist any pair that satisfies the conditions, we return 0.
```

Constraints:

- `1 <= words.length <= 100`
- `1 <= words[i].length <= 100`
- `words[i]` consist of only lowercase English letters.

JavaScript ▼

```javascript
const similarPairs = (a) => {
    let n = a.length, res = 0;
    for (let i = 0; i < n; i++) {
        for (let j = i + 1; j < n; j++) {
            if (isSimilar(a[i], a[j])) res++;
        }
    }
    return res;
};

const isSimilar = (s1, s2) => {
    let a = [...new Set(s1)], b = [...new Set(s2)], n = a.length;
    if (n != b.length) return false;
    a.sort();
    b.sort();
    for (let i = 0; i < n; i++) {
        if (a[i] != b[i]) return false;
    }
    return true;
}
```

☐ **Custom Testcase**   [Use Example Testcases]

▶ Run   ☁ Submit

Submission Result: Accepted (/submissions/detail/861385521/) ❓   [More Details ❯ (/submissions/detail/861385521/)]

Share your acceptance!

Copyright © 2022 LeetCode

Help Center (/support) | Jobs (/jobs) | Bug Bounty (/bugbounty) | Online Interview (/interview/) | Students (/student) | Terms (/terms) | Privacy Policy (/privacy)

🇺🇸 United States (/region)