Problem 2506: Count Pairs Of Similar Strings

Problem Information

Difficulty: Easy
Acceptance Rate: 73.13%
Paid Only: No
Tags: Array, Hash Table, String, Bit Manipulation, Counting

Problem Description

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_.

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.

Code Snippets

C++:

```cpp
class Solution {
public:
int similarPairs(vector<string>& words) {


}
};
```

Java:

```java
class Solution {
public int similarPairs(String[] words) {


}
}
```

Python3:

```python
class Solution:
def similarPairs(self, words: List[str]) -> int:
```