

# Problem 1662: Check If Two String Arrays are Equivalent

## Problem Information

**Difficulty:** Easy

**Acceptance Rate:** 85.95%

**Paid Only:** No

**Tags:** Array, String

## Problem Description

Given two string arrays `word1` and `word2`, return \_\_`true`\_\_ if the two arrays\*\*represent\*\* the same string, and \_\_`false`\_\_ otherwise.\_

A string is \*\*represented\*\* by an array if the array elements concatenated \*\*in order\*\* forms the string.

**Example 1:**

**Input:** word1 = ["ab", "c"], word2 = ["a", "bc"] **Output:** true **Explanation:** word1 represents string "ab" + "c" -> "abc" word2 represents string "a" + "bc" -> "abc" The strings are the same, so return true.

**Example 2:**

**Input:** word1 = ["a", "cb"], word2 = ["ab", "c"] **Output:** false

**Example 3:**

**Input:** word1 = ["abc", "d", "defg"], word2 = ["abcdefg"] **Output:** true

**Constraints:**

\* `1 <= word1.length, word2.length <= 103` \* `1 <= word1[i].length, word2[i].length <= 103` \* `1 <= sum(word1[i].length), sum(word2[i].length) <= 103` \* `word1[i]` and `word2[i]` consist of

lowercase letters.

## Code Snippets

### C++:

```
class Solution {  
public:  
    bool arrayStringsAreEqual(vector<string>& word1, vector<string>& word2) {  
  
    }  
};
```

### Java:

```
class Solution {  
public boolean arrayStringsAreEqual(String[] word1, String[] word2) {  
  
}  
}
```

### Python3:

```
class Solution:  
    def arrayStringsAreEqual(self, word1: List[str], word2: List[str]) -> bool:
```