Problem 2114: Maximum Number of Words Found in Sentences

Problem Information

Difficulty: Easy
Acceptance Rate: 86.62%
Paid Only: No
Tags: Array, String

Problem Description

A **sentence** is a list of **words** that are separated by a single space with no leading or trailing spaces.

You are given an array of strings `sentences`, where each `sentences[i]` represents a single **sentence**.

Return _the**maximum number of words** that appear in a single sentence_.

Example 1:

Input: sentences = ["alice and bob love leetcode", "i think so too", _" this is great thanks very much"_] **Output:** 6 **Explanation:** - The first sentence, "alice and bob love leetcode", has 5 words in total. - The second sentence, "i think so too", has 4 words in total. - The third sentence, "this is great thanks very much", has 6 words in total. Thus, the maximum number of words in a single sentence comes from the third sentence, which has 6 words.

Example 2:

Input: sentences = ["please wait", _" continue to fight"_, _" continue to win"_] **Output:** 3 **Explanation:** It is possible that multiple sentences contain the same number of words. In this example, the second and third sentences (underlined) have the same number of words.

Constraints:

* `1 <= sentences.length <= 100` * `1 <= sentences[i].length <= 100` * `sentences[i]` consists only of lowercase English letters and `' '` only. * `sentences[i]` does not have leading or trailing spaces. * All the words in `sentences[i]` are separated by a single space.

Code Snippets

C++:

```
class Solution {
public:
int mostWordsFound(vector<string>& sentences) {

}
};
```

Java:

```
class Solution {
public int mostWordsFound(String[] sentences) {

}
}
```

Python3:

```
class Solution:
def mostWordsFound(self, sentences: List[str]) -> int:
```