Problem 2490: Circular Sentence

Problem Information

Difficulty: Easy
Acceptance Rate: 70.26%
Paid Only: No
Tags: String

Problem Description

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

* For example, `"Hello World"`, `"HELLO"`, `"hello world hello world"` are all sentences.

Words consist of **only** uppercase and lowercase English letters. Uppercase and lowercase English letters are considered different.

A sentence is **circular** if:

* The last character of each word in the sentence is equal to the first character of its next word. * The last character of the last word is equal to the first character of the first word.

For example, `"leetcode exercises sound delightful"`, `"eetcode"`, `"leetcode eats soul" `are all circular sentences. However, `"Leetcode is cool"`, `"happy Leetcode"`, `"Leetcode"` and `"I like Leetcode"` are **not** circular sentences.

Given a string `sentence`, return `true` _if it is circular_. Otherwise, return `false`.

Example 1:

Input: sentence = "leetcode exercises sound delightful" **Output:** true **Explanation:** The words in sentence are ["leetcode", "exercises", "sound", "delightful"]. - leetcod _e_ 's last character is equal to _e_ xercises's first character. - exercise _s_ 's last character is equal to _s_ ound's first character. - soun _d_ 's last character is equal to _d_ elightful's first character. - delightfu _l_ 's last character is equal to _l_ eetcode's first character. The sentence is

circular.

Example 2:

Input: sentence = "eetcode" **Output:** true **Explanation:** The words in sentence are ["eetcode"]. - eetcod _e_ 's last character is equal to _e_ etcode's first character. The sentence is circular.

Example 3:

Input: sentence = "Leetcode is cool" **Output:** false **Explanation:** The words in sentence are ["Leetcode", "is", "cool"]. - Leetcod _e_ 's last character is **not** equal to _i_ s's first character. The sentence is **not** circular.

Constraints:

* `1 <= sentence.length <= 500` * `sentence` consist of only lowercase and uppercase English letters and spaces. * The words in `sentence` are separated by a single space. * There are no leading or trailing spaces.

Code Snippets

C++:

```
class Solution {
public:
bool isCircularSentence(string sentence) {

}
};
```

Java:

```
class Solution {
public boolean isCircularSentence(String sentence) {

}
}
```

Python3:

```
class Solution:
def isCircularSentence(self, sentence: str) -> bool:
```