

Problem 1816: Truncate Sentence

Problem Information

Difficulty: Easy

Acceptance Rate: 86.37%

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. Each of the words consists of **only** uppercase and lowercase English letters (no punctuation).

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

You are given a sentence `s` and an integer `k`. You want to **truncate** `s` such that it contains only the **first** `k` words. Return `s` _ after **truncating** it.

Example 1:

Input: s = "Hello how are you Contestant", k = 4 **Output:** "Hello how are you"

Explanation: The words in s are ["Hello", "how", "are", "you", "Contestant"]. The first 4 words are ["Hello", "how", "are", "you"]. Hence, you should return "Hello how are you".

Example 2:

Input: s = "What is the solution to this problem", k = 4 **Output:** "What is the solution"

Explanation: The words in s are ["What", "is", "the", "solution", "to", "this", "problem"]. The first 4 words are ["What", "is", "the", "solution"]. Hence, you should return "What is the solution".

Example 3:

Input: s = "chopper is not a tanuki", k = 5 **Output:** "chopper is not a tanuki"

****Constraints:****

* `1 <= s.length <= 500` * `k` is in the range `[1, the number of words in s]` . * `s` consist of only lowercase and uppercase English letters and spaces. * The words in `s` are separated by a single space. * There are no leading or trailing spaces.

Code Snippets

C++:

```
class Solution {  
public:  
    string truncateSentence(string s, int k) {  
  
    }  
};
```

Java:

```
class Solution {  
public String truncateSentence(String s, int k) {  
  
}  
}
```

Python3:

```
class Solution:  
    def truncateSentence(self, s: str, k: int) -> str:
```