

Length of Last Word

Description

This function calculates the length of the last word in a given string `s`. A word is defined as a maximal substring consisting of non-space characters only.

Parameters

- `s`: A string consisting of words and spaces.

Returns

- An integer representing the length of the last word in the string `s`.

Example

Example 1

Input: s = "Hello World"

Output: 5

Explanation: The last word is "World" with length 5.

Example 2

Input: s = " fly me to the moon "

Output: 4

Explanation: The last word is "moon" with length 4.

Example 3

Input: `s = "luffy is still joyboy"`

Output: 6

Explanation: The last word is "joyboy" with length 6.

Constraints

- $1 \leq s.length \leq 10^4$
- `s`` consists of only English letters and spaces ' '.
- There will be at least one word in `s``.

Approach

1. Remove trailing whitespaces from the input string.
2. Split the string by spaces and retrieve the last element, which represents the last word.
3. Return the length of the last word.