

5902. Check if Numbers Are Ascending in a Sentence

My Submissions (/contest/weekly-contest-263/problems/check-if-numbers-are-ascending-in-a-sentence/submissions/)

Back to Contest (/contest/weekly-contest-263/)

A sentence is a list of **tokens** separated by a **single** space with no leading or trailing spaces. Every token is either a **positive number** consisting of digits `0–9` with no leading zeros, or a **word** consisting of lowercase English letters.

- For example, "a puppy has 2 eyes 4 legs" is a sentence with seven tokens: "2" and "4" are numbers and the other tokens such as "puppy" are words.

Given a string `s` representing a sentence, you need to check if **all** the numbers in `s` are **strictly increasing** from left to right (i.e., other than the last number, **each** number is **strictly smaller** than the number on its **right** in `s`).

Return `true` if so, or `false` otherwise.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Easy

Example 1:

s: 1 box has 3 blue 4 red 6 green and 12 yellow marbles

1 3 4 6 12

Input: `s = "1 box has 3 blue 4 red 6 green and 12 yellow marbles"`
Output: `true`
Explanation: The numbers in `s` are: 1, 3, 4, 6, 12. They are strictly increasing from left to right: $1 < 3 < 4 < 6 < 12$.

Example 2:

Input: `s = "hello world 5 x 5"`
Output: `false`
Explanation: The numbers in `s` are: 5, 5. They are not strictly increasing.

Example 3:

s: sunset is at 7 51 pm overnight lows will be in the low 50 and 60 s

7 51 50 60

Input: `s = "sunset is at 7 51 pm overnight lows will be in the low 50 and 60 s"`
Output: `false`
Explanation: The numbers in `s` are: 7, 51, 50, 60. They are not strictly increasing.

Example 4:

Input: `s = "4 5 11 26"`
Output: `true`
Explanation: The numbers in `s` are: 4, 5, 11, 26. They are strictly increasing from left to right: $4 < 5 < 11 < 26$.

Constraints:

- $3 \leq s.length \leq 200$
- `s` consists of lowercase English letters, spaces, and digits from `0` to `9`, inclusive.
- The number of tokens in `s` is between `2` and `100`, inclusive.
- The tokens in `s` are separated by a single space.
- There are at least **two** numbers in `s`.
- Each number in `s` is a **positive** number **less** than `100`, with no leading zeros.
- `s` contains no leading or trailing spaces.

```
1 class Solution {  
2     public boolean areNumbersAscending(String s) {  
3  
4     }  
5 }
```

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