5902. Check if Numbers Are Ascending in a Sentence

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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

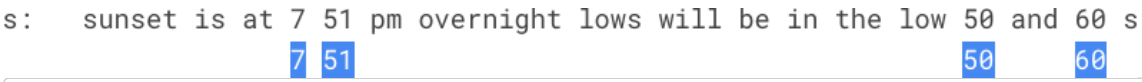
Example 1:


```
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:




```
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 <= s.length <= 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.

JavaScript

```javascript
const isNumber = (v) => typeof v === 'number' && isFinite(v);

const areNumbersAscending = (s) => {
   let a = s.split(" ").filter(x => isNumber(x - '0')).map(Number);
   return isAscending(a);
};

const isAscending = (arr) => {
    return arr.every((x, i) => {
        return i === 0 || x > arr[i - 1];
    });
};
```

Custom Testcase | Use Example Testcases

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Submission Result: Accepted (/submissions/detail/572408420/) | More Details > (/submissions/detail/572408420/)

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