(/) Explore Problems(/problemset/all/) Mock(/interview/) Contest

Discuss(/discuss/)

₩ track/ng, apply today! Storedata=eyJ1cmwiOiAiaHR0cHM6Ly9sZWV0Y29kZS5jb20vam9icy8_cmVmPX

5747. Splitting a String Into Descending Consecutive Values

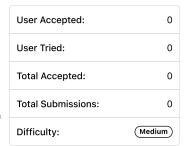
My Submissions (/contest/weekly-contest-239/problems/splitting-a-string-into-descending-consecutive-values/submissions/)

Back to Contest (/contest/weekly-contest-239/)

You are given a string s that consists of only digits.

Check if we can split s into two or more non-empty substrings such that the numerical values of the substrings are in descending order and the difference between numerical values of every two adjacent substrings is equal to 1.

- For example, the string s = "0090089" can be split into ["0090", "089"] with numerical values [90,89]. The values are in descending order and adjacent values differ by $\ 1$, so this way is valid.
- Another example, the string s = "001" can be split into ["0", "01"], ["00", "1"], or ["0", "0", "1"]. However all the ways are invalid because they have numerical values [0,1], [0,1], and [0,0,1] respectively, all of which are not in descending order.



Return true if it is possible to split s as described above, or false otherwise.

A substring is a contiguous sequence of characters in a string.

Example 1:

```
Input: s = "1234"
Output: false
Explanation: There is no valid way to split s.
```

Example 2:

```
Input: s = "050043"
Output: true
Explanation: s can be split into ["05", "004", "3"] with numerical values [5,4,3].
The values are in descending order with adjacent values differing by 1.
```

Example 3:

```
Input: s = "9080701"
Output: false
Explanation: There is no valid way to split s.
```

Example 4:

```
Input: s = "10009998"
Output: true
Explanation: s can be split into ["100", "099", "98"] with numerical values [100,99,98].
The values are in descending order with adjacent values differing by 1.
```

Constraints:

- 1 <= s.length <= 20
- s only consists of digits.

```
JavaScript
                                                                                                                      Ø
1 • /**
     * @param {string} s
2
     * @return {boolean}
4
5 var splitString = function(s) {
6
   };
```