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LeetCode Challenge + GIVEAWAY!

Description

Solution

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Java

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604. Design Compressed String Iterator

Easy 335 118 Add to List Share

Design and implement a data structure for a compressed string iterator. The given compressed string will be in the form of each letter followed by a positive integer representing the number of this letter existing in the original uncompressed string.

Implement the StringIterator class:

next()

Returns **the next character** if the original string still has uncompressed characters, otherwise returns a **white space**.

hasNext()

Returns true if there is any letter needs to be uncompressed in the original string, otherwise returns `false`.

Example 1:

Input

["StringIterator", "next", "next", "next", "next", "next", "next", "hasNext", "next", "hasNext"]

["L1e2t1C1o1d1e1"], [], [], [], [], [], [], [], [], []]

Output

[null, "L", "e", "e", "t", "C", "o", true, "d", true]

Explanation

StringIterator stringIterator = new StringIterator("L1e2t1C1o1d1e1");

stringIterator.next(); // return "L"

stringIterator.next(); // return "e"

stringIterator.next(); // return "e"

stringIterator.next(); // return "t"

stringIterator.next(); // return "C"

stringIterator.next(); // return "o"

stringIterator.hasNext(); // return True

stringIterator.next(); // return "d"

stringIterator.hasNext(); // return True

Constraints:

1 <= compressedString.length <= 1000

compressedString consists of lower-case an upper-case English letters and digits.

The number of a single character repetitions in compressedString is in the range [1, 10^9]

At most 100 calls will be made to next and hasNext.

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class StringIterator {

public StringIterator(String compressedString) {

}

public char next() {

}

public boolean hasNext() {

}

}

/**

* Your StringIterator object will be instantiated and called as such:

* StringIterator obj = new StringIterator(compressedString);

* char param_1 = obj.next();

* boolean param_2 = obj.hasNext();

*/

Problems

Pick One

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604/2128

Next >

Console

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