## 604. Design Compressed String Iterator Premium



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:

