

LeetCode

Explore

Problems

Interview

Contest

Discuss

Store

LeetCode Coding Challenge + GIVEAWAY!

🔍

🔔

👤

Description

Solution

Discuss (999+)

Submissions

Java

Autocomplete

i

{ }

↺

↻

🔄

394. Decode String

Medium

👍 7003

💬 305

📌 Add to List

🔗 Share

Given an encoded string, return its decoded string.

The encoding rule is: `k[encoded_string]`, where the `encoded_string` inside the square brackets is being repeated exactly `k` times. Note that `k` is guaranteed to be a positive integer.

You may assume that the input string is always valid; No extra white spaces, square brackets are well-formed, etc.

Furthermore, you may assume that the original data does not contain any digits and that digits are only for those repeat numbers, `k`. For example, there won't be input like `3a` or `2[4]`.

Example 1:

Input: `s = "3[a]2[bc]"`
Output: `"aaabcbc"`

Example 2:

Input: `s = "3[a2[c]]"`
Output: `"accaccacc"`

Example 3:

Input: `s = "2[abc]3[cd]ef"`
Output: `"abcbccdcddcdef"`

Example 4:

Input: `s = "abc3[cd]xyz"`
Output: `"abccddcdcdxyz"`

Constraints:

- `1 <= s.length <= 30`
- `s` consists of lowercase English letters, digits, and square brackets `'[]'`.
- `s` is guaranteed to be a **valid** input.
- All the integers in `s` are in the range `[1, 300]`.

Accepted 426,064 Submissions 768,212

Seen this question in a real interview before?

Yes

No

Companies

i

Related Topics

Similar Questions

1

2

3

4

5

```
class Solution {  
    public String decodeString(String s) {  
    }  
}
```

🔍

🔔

👤

Problems

Pick One

⏪ Prev

5/5

Next ⏩

Console

Contribute

▶ Run Code

Submit