

394. Decode String

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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 you may assume that the input string is always valid; there are no extra white spaces, square brackets are well-formed, etc. Furthermore, you may assume that the original string only consists of lowercase English letters. The test cases are generated so that the length of the output will never exceed 10^5 .

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: `"abccabccddcdcdcd"`

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]`.

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Yes No

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