Example 1: Input: s = "aaa" Output: "aaa" Explanation: There is no way to encode it such that it is shorter than the input string, so we do not encode it. Example 2: Input: s = "aaaaa" **Output:** "5[a]" Explanation: "5[a]" is shorter than "aaaaa" by 1 character. Example 3: Input: s = "aaaaaaaaaa" **Output:** "10[a]" Explanation: "a9[a]" or "9[a]a" are also valid solutions, both of them have the same length = 5, which is the same as "10[a]". Example 4: Input: s = "aabcaabcd" Output: "2[aabc]d" Explanation: "aabc" occurs twice, so one answer can be "2[aabc]d". Example 5: Input: s = "abbbabbbcabbbbc" **Output:** "2[2[abbb]c]" Explanation: "abbbabbbc" occurs twice, but "abbbabbbc" can also be encoded to "2[abbb]c", so one answer can be "2[2[abbb]c]". **Constraints:** • 1 <= s.length <= 150 s consists of only lowercase English letters. Accepted 26,383 Submissions 52,051 Seen this question in a real interview before? Yes No Companies 🔓 i 0 ~ 6 months 6 months ~ 1 year 1 year ~ 2 years Google | 2 **Related Topics** String Dynamic Programming Similar Questions Decode String Medium

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