## 3167. Better Compression of String Premium Medium ♥ Topics ② Companies ۞ Hint You are given a string compressed representing a compressed version of a string. The format is a character followed by its frequency. For example, "a3b1a1c2" is a compressed version of the string "aaabacc". We seek a **better compression** with the following conditions: 1. Each character should appear **only once** in the compressed version. 2. The characters should be in alphabetical order. Return the *better compression* of compressed. **Note:** In the better version of compression, the order of letters may change, which is acceptable. Example 1: Input: compressed = "a3c9b2c1" Output: "a3b2c10" **Explanation:** Characters "a" and "b" appear only once in the input, but "c" appears twice, once with a size of 9 and once with a size of 1. Hence, in the resulting string, it should have a size of 10. Example 2: Input: compressed = "c2b3a1" Output: "a1b3c2" Example 3: Input: compressed = "a2b4c1" Output: "a2b4c1" Constraints: • 1 <= compressed.length <= $6 * 10^4$ compressed consists only of lowercase English letters and digits. compressed is a valid compression, i.e., each character is followed by its frequency. • Frequencies are in the range [1, 10<sup>4</sup>] and have no leading zeroes. Seen this question in a real interview before? 1/5 Yes No Accepted 3.1K | Submissions 4.1K | Acceptance Rate 74.7% ♥ Topics Hash Table String Sorting Counting **Companies** 0 - 3 months Goldman Sachs 5 O Hint 1 This is an implementation problem. O Hint 2 Try to extract each character with its corresponding frequency. O Hint 3 Sum the frequencies for a single character. O Hint 4 Sort characters and append them to a string in alphabetical order. **₹** Similar Questions String Compression Discussion (2) Copyright © 2024 LeetCode All rights reserved