3167. Better Compression of String `Premium`   Solved ●

Medium   🏷 **Topics**   🏢 **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 $[1, 10^4]$ and have no leading zeroes.

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Yes   No

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