

3324. Find the Sequence of Strings Appeared on the Screen

Solved ●

Medium Topics Hint

You are given a string `target`.Alice is going to type `target` on her computer using a special keyboard that has **only two** keys:

- Key 1 appends the character `"a"` to the string on the screen.
- Key 2 changes the **last** character of the string on the screen to its **next** character in the English alphabet. For example, `"c"` changes to `"d"` and `"z"` changes to `"a"`.

Note that initially there is an *empty* string `""` on the screen, so she can **only** press key 1.Return a list of *all* strings that appear on the screen as Alice types `target`, in the order they appear, using the **minimum** key presses.

Example 1:

Input: `target = "abc"`**Output:** `["a","aa","ab","aba","abb","abc"]`

Explanation:

The sequence of key presses done by Alice are:

- Press key 1, and the string on the screen becomes `"a"`.
- Press key 1, and the string on the screen becomes `"aa"`.
- Press key 2, and the string on the screen becomes `"ab"`.
- Press key 1, and the string on the screen becomes `"aba"`.
- Press key 2, and the string on the screen becomes `"abb"`.
- Press key 2, and the string on the screen becomes `"abc"`.

Example 2:

Input: `target = "he"`**Output:** `["a","b","c","d","e","f","g","h","ha","hb","hc","hd","he"]`

Constraints:

- `1 <= target.length <= 400`
- `target` consists only of lowercase English letters.

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Yes No

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Topics

Hint 1

Hint 2



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