We can shift a string by shifting each of its letters to its successive letter.

* For example, "abc" can be shifted to be "bcd".

We can keep shifting the string to form a sequence.

* For example, we can keep shifting "abc" to form the sequence: "abc" -> "bcd" -> ... -> "xyz".

Given an array of strings strings, group all strings[i] that belong to the same shifting sequence. You may return the answer in **any order**.

**Example 1:**

Input: strings = ["abc","bcd","acef","xyz","az","ba","a","z"]  
Output: [["acef"],["a","z"],["abc","bcd","xyz"],["az","ba"]]

**Example 2:**

Input: strings = ["a"]  
Output: [["a"]]

**Constraints:**

* 1 <= strings.length <= 200
* 1 <= strings[i].length <= 50
* strings[i] consists of lowercase English letters.