Given a string, we can "shift" each of its letter to its successive letter, for example: "abc" -> "bcd". We can keep "shifting" which forms the sequence:

"abc" -> "bcd" -> ... -> "xyz"

Given a list of **non-empty** strings which contains only lowercase alphabets, group all strings that belong to the same shifting sequence.

**Example:**

**Input:** ["abc", "bcd", "acef", "xyz", "az", "ba", "a", "z"],

**Output:**

[

["abc","bcd","xyz"],

["az","ba"],

["acef"],

["a","z"]

]