

Problem E: Eazy

Last year's exam was a historic event, but for all the wrong reasons. The instructors, filled with brilliant but overly enthusiastic ideas, ended up creating a question set so notoriously brutal that it sparked widespread panic in KKKU. Students spent hours staring at blank IDEs, and the post-exam feedback was flooded with complaints about the impossible difficulty.

Determined to restore peace, boost morale, and avoid another administrative headache this year, the department head stepped in and fired off an angry email declaring: "**Every single question in this year's exam must be eazy.**" However, because the department head accidentally misspelled the word **easy** as **eazy** in the official directive, the overly literal-minded teachers took it as a brand-new technical term. Instead of making the questions simpler, they huddled in a seminar room and spent three days defining a strict, formal grammatical rule for what mathematically constitutes an **eazy** string.

According to the team's accidental new standard, a text string (which may contain multiple words and spaces) is defined as **eazy** if it satisfies the following structural condition:

- For every letter 'e' that appears in the text, it must be **immediately followed** by 'z'.

You have been handed a giant backlog of **N** proposed exam questions. Your task is to rewrite each question by adding characters into the text to ensure that the final version of all the questions are truly **eazy** according to the accidental new policy.

Input:

The first line of input is an integer **N**, representing the number of text strings. Each text string contains lowercase English letters and spaces.

Output:

For each text string, print the modified version that satisfies the condition. If there are more than one possible answer, print the shortest possible answer. If there are more than one shortest possible answer, print the one that comes first alphabetically.

Sample Input	Sample Output
3 hello world welcome to izpz contest all questions are eazy	hezllo world wezlcomez to izpz contezst all queztions arez eazy

Constraints: $1 \leq N \leq 1,000$ and $1 \leq \text{length of each text string} \leq 1,000$