

<codeClash>2019

Code Clash Official Problem #5 'Cheer Scrabble'

Problem statement

You are attending a meet for your favorite high school sport to support your friends that are competing. You decide to create signs that spell out your friends' names to cheer them on. Each sign will display one letter, and you will be able to combine several signs together to spell out any of your friends' names. To conserve signs, you want to make as few signs as possible while still being able to spell everyone's name.

The first line of input will contain an integer with the number of test cases to follow. For each test case, a subsequent line will follow with several names in all caps separated by spaces. Your answer output should contain each of the capitalized letters in alphabetical order, with each letter separated by a space.

Sample test case

Sample input and output for this problem:

Input	Output
3 NANCY AUSTIN TINA MIKE GEORGE MACIE ELIZABETH	A C I N N S T U Y E E G G I K M O R A B C E E H I L M T Z