



# Restaurant Cipher

Time limit: 2500 ms  
Memory limit: 256 MB

Ali always asks his chef to cook some specific recipes. They wanted to have some fun, so, they agreed to name some recipes with just the letters: A, B, C, D, E, F and G, and not more. Now, if Ali wants a recipe, he sends a secret message to his chef that asks for a single recipe.

Your task is to break Ali's scheme for creating the secret messages, based on the example messages in the testcase below.

## Standard Input

Input begins with an integer  $n$  on a line by itself that indicates how many secret messages are in the input.

The next  $n$  lines each contain a secret message.

## Standard Output

For each secret message, output a line with a single letter that indicates which recipe is being requested.

## Constraints and notes

- $1 \leq n \leq 20$

Each message will consist of lowercase letters, spaces, and punctuation. Each message will contain no more than 50,000 characters.

Input	Output
<pre>5 my cat is so cute. the baby is crying. ieeextreme is tricky! i want to buy a avocado for guacamole. good grief, this task requires a gigantic</pre>	<pre>C B E A G</pre>

