Transform the String

Tanmay was travelling to Amritapuri in Coder Express to partipitate in Programming

Contest.On his way he met a boy named Abhishek. Abhishek is very good in programming

skills. He was busy in solving a problem.

Tanmay find this an oppurtunity to help him.

He asked him about the question

The question was you have been given a string and you have to change all vowels into its

uppercase & keep consonants as it is & then print that string. Can you help Tanmay??

Input

First line contains an integer (T<=10) that represents the number of test cases.Then

follows the T lines each contaning string of no more than 25 characters & The string

contains lowercase alphabets only & no space.

Output

For each test case, print only one line, the output of your program.For each test case, print only one line, the output of your program.

Example

Input:
2
luckysuman
irita

Output:
lUckysUmAn
IrItA