**Magical String**

Show Topic Tags   

You are given a string S , convert it into a magical string and print the answer.  
A string can be made into a magical string if the alphabets are swapped in the given manner : a->z or z->a , b->y or y->b and so on.    
   
**Note:**All the alphabets in the string are in lowercase.

**Input:**  
The first line contains a integer T i.e. the number of test cases. Each test case contains a string S as a input.

**Output:**  
In one line print the magical string of the given string.  
   
**Constraints:**  
1<=T<=100  
1<=Length of String<=100

**Examples:**  
**Input:**  
3  
varun  
akshay  
vijay

**Output:**  
ezifm  
zphszb  
erqzb  
  
**Explanation:**  
**Test case 1:** Magical string of "varun" will be "ezifm" since v->e , a->z , r->i , u->f and n->m.  
**Test case 2:** Magical string of "akshay" will be "zphszb" since a->z , k->p , s->h , h->s , a->z and y->b.

\*\*For More Examples Use Expected Output\*\*

Contributor: Saksham Ashtputre

<http://practice.geeksforgeeks.org/problems/magical-string/0>

/\*

\* To change this template, choose Tools | Templates

\* and open the template in the editor.

\*/

package javaapplication248;

import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStreamReader;

import java.util.ArrayList;

import java.util.Arrays;

import java.util.HashMap;

import java.util.HashSet;

import java.util.Map;

/\*\*

\*

\* @author Administrador

\*/

public class JavaApplication248 {

public static void main(String[] args) throws IOException {

// TODO code application logic here

BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

int t = Integer.parseInt(br.readLine());

while(t-- > 0) {

String s = br.readLine();

HashMap<Character, Character> hm = new HashMap ();

String alfab = "abcdefghijklmnopqrstuvwxyz";

int i =0, j = alfab.length()-1;

while(i < j) {

hm.put(alfab.charAt(i), alfab.charAt(j));

hm.put(alfab.charAt(j), alfab.charAt(i));

i++;

j--;

}

String concat = "";

for( i =0; i<s.length(); i++) {

concat += hm.get(s.charAt(i));

}

System.out.println(concat);

}

}

}