Design a program to take a word as an input, and then encode it into a Pig Latin. A Pig Latin is an encrypted word in English, which is generated by doing following alterations:

The first vowel occurring in the input word is placed at the start of the new word along with the remaining alphabets of it. The alphabets present before the first vowel are shifted at the end of the new word followed by “ay”

eg: latin is written as atinlay

The input word is start with vowel then the word is written with “yay”

eg: egg is written as eggyay

if the input contains more than a single word then apply above mentioned technique to convert pig latin

eg: apple fruit is written as appleyay uitfray

**Input**

* First line of input is an integer T, which specifies number of test cases
* A string S that will be translated to Pig Latin

**Constraints**

* 1<= T <= 10000
* 1<= S <= 1000 in length

**Sample Input**

2

amazon

pig

**Sample Output**

amazonyay

igpay

**Sample Input**

3

pig latin

apple

abc def

**Sample Output**

igpay atinlay

appleyay

abcyay efday