
10. Txtspk

Program Name: text.java

Input File: text.in

To save time when sending text messages, many people abbreviate what they are trying to say. One such way is to perform the following steps:

1. Remove all punctuation from the message. For this program, any non-alphanumeric, non-whitespace character is considered punctuation.
2. Convert all uppercase letters to lowercase.
3. Remove all vowels (a,e,i,o,u) from any word (contiguous unit of alphanumeric characters) of four alphanumeric characters or more.

Input

The first line of input will contain a single integer, n , indicating the number of data sets to process. The remainder of the input consists of those n data sets.

Each data set will consist of a single line containing a message (1-80 characters) to convert.

Output

For each data set in the input display the text message resulting from applying the above steps.

Example Input File

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Tim, do you want to go grab a pizza?

Dear John, I am leaving you.

I will meet you at the theatre at 9!

Example Output To Screen

tim do you wnt to go grb a pzz

dr jhn i am lvng you

i wll mt you at the thtr at 9