

Play with vowels



You are given a string of only lower case letters of length n . Your task is to count the number of each vowels in the string .

Input :

You are given a string of n letters .

$1 \leq n \leq 1000$

Output :

Find the frequency of each vowels in the string . Print the vowels with frequency apeared in that string in increasing order. See the sample input output for clarification.

Note that the vowels are 'a', 'e', 'i', 'o', 'u' .

Input Format

happyvalentinesday

Constraints

$1 \leq n \leq 1000$

Output Format

a 3

e 2

i 1

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