

Problem E

LATIN VOWEL CHARACTERS

Time Limit: 3 seconds
Memory Limit: 512 Megabytes

Problem description

Latin vowel characters are defined as characters which are in set {a e i o u y A E I O U Y}.

Viet is requested to implement a system which gets input from standard input stream and displays the frequency of each Latin vowel character in the following format (sorted in descending order of frequency (case-insensitive) and ascending order of position in ASCII table if two vowels have the same frequency).

Input

A line contains an input string.

Output

A line contains latin vowel character characters and their frequency in appropriated order.

Example:

Input	Output
Today is Saturday	a(3) y(2) i(1) o(1) u(1)

Input	Output
Today is Saturday. And tomorrow is Sunday	a(5) o(4) y(3) i(2) u(2)

A relax page, open to next page for the next challenge in your journey to the TOP.