Gabut

Gabut want to analyze how many consonants, vowels, capitals, and lowercase letters are in these messages.

Input Format

One line sentence to be analyzed.

Constraints

String <= 100

Output Format

The first, second, third, and fourth lines each contain multiple consonants, vowels, capitals, and lowercase letters respectively.

Vowel Number:

Number of Consonants:

Total Uppercase:

Total Smallcase:

Sample Input 0

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Sample Output 0

Vowel Number: 6
Number of Consonants: 9
Total Uppercase: 2
Total Smallcase: 13