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PROFILE

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PROBLEMS

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SIGN OUT



URI Online Judge | 2108

Counting Characters

By Leandro Matheus & Leticia Mayumi, IFPR Brazil

Timelimit: 3

2108



Description
Full Screen
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STRINGS

CHECKING

This problem is being checked, i.e., the input can be modified to better suit all test cases. During this period all submissions to this problem may be re-judged.

BOOK SUGGESTION

Matheus was talking to his bride by text message, when she sent the following message:

1-4-3

He did not understand the message, so he asked what it meant, and she said it means 'I Love You', and soon he realized that each separate number by a ' - ' is the number of letters for each of words composing the phrase. With that, he had the idea of creating a program that entering certain phrase, it calculates the size of each word and separates the values by ' - '. But he still had the idea that the program should receive several phrases line by line and at the end of the program the word with the greatest number of characters should be displayed.

Input

The input consists of several test cases. The first line of a test case contains a $1 \leq \text{String} \leq 100$ with a single word or a phrase. Test cases will be processed when the number 0 is received. There can be no more than a space separating each word.

Output

For each test case, display the number of characters in each word that makes up the received phrase. Divide the number of characters of each word for ' - '. Also display, the word with the greatest number of characters of all received phrases.

Obs: If have words with identical numbers of characters, consider last received.

Input Sample	Output Sample
i love you	1-4-3
squirtle squirtle squirtle	8-8-8
chondrocraniums	15
coal is so dark	4-2-2-4
lacing your dreams	6-4-6
te t e te t e te t e te	2-1-1-2-1-1-2-1-1-2
0	
	The biggest word: chondrocraniums

LM.

