Second maximum word   P89872_en

Write a program that prints the second largest word, in alphabetical order, of a given a sequence of words, ignoring repetitions.

For instance, if the words are "hola", "adeu", "hola", "hi" and "bye", then the asked word is "hi", because it is not relevant that "hola" appears more than once.

Input

Input consists of several words, all made up of only lowercase letters. There will always be at least two different words.

Output

Print the second largest word in alphabetical order, ignoring repetitions.

Sample input 1	Sample output 1
hola adeu hola hi bye	hi

Sample input 2	Sample output 2
z z y	y

Sample input 3	Sample output 3
x yy zzz yy x	yy

Problem information

Author: Salvador Roura
Translator: Salvador Roura

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