Jutge.org

The Virtual Learning Environment for Computer Programming

Counting frequences

P63414_en

Write a program that reads a sequence of natural numbers and that prints, for each one, how many times it appears.

Input

Input consists of a natural number n, followed by n natural numbers between 1000000000 and 1000001000 (both included).

Output

For each number *x* that appears in the sequence, print how many times it appears, following the format of the example. The output must be sorted in increasing order by *x*.

Sample input

Sample output

1000000001 : 1 1000000004 : 3 1000000011 : 2 1000000200 : 1

Problem information

Author : Salvador Roura Translator : Carlos Molina Generation : 2023-07-14 18:10:37

© *Jutge.org*, 2006–2023. https://jutge.org