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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**

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