
How many different?**P25401_en**

Write a program that prints how many different numbers there are in a sequence with n integer numbers.

Input

Input contains different test data. Each test data starts with a natural number $n \geq 1$ followed by a sequence with n integer numbers.

Output

For each sequence of the input print, in a line, the number of different elements that contains.

Sample input

```
5      15 12 41 15 41
5      99 99 99 99 99
1      -666
10     1 1 2 3 4 5 6 7 8 9
```

Sample output

```
3
1
1
9
```

Problem information

Author : Jordi Petit

Translator : Carlos Molina

Generation : 2024-04-30 17:48:31

© Jutge.org, 2006–2024.

<https://jutge.org>