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## How many different?

Z43166\_en

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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
10     1 1 2 3 4 5 6 7 8 9
```

#### Sample output

```
3
1
1
9
9
```

### Problem information

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