

## A. Polycarp's Pockets

time limit per test

1 second

memory limit per test

256 megabytes

input

standard input

output

standard output

Polycarp has  $n$  coins, the value of the  $i$ -th coin is  $a_i$ . Polycarp wants to distribute all the coins between his pockets, but he cannot put two coins with the same value into the same pocket.

For example, if Polycarp has got six coins represented as an array  $a=[1,2,4,3,3,2]$ , he can distribute the coins into two pockets as follows:  $[1,2,3],[2,3,4]$ .

Polycarp wants to distribute all the coins with the minimum number of used pockets. Help him to do that.

### Input

The first line of the input contains one integer  $n$  ( $1 \leq n \leq 100$ ) — the number of coins.

The second line of the input contains  $n$  integers  $a_1, a_2, \dots, a_n$  ( $1 \leq a_i \leq 100$ ) — values of coins.

### Output

Print only one integer — the minimum number of pockets Polycarp needs to distribute all the coins so no two coins with the same value are put into the same pocket.

### Examples

#### input

Copy

6

1 2 4 3 3 2

#### output

Copy

2

#### input

Copy

1

100

#### output

Copy

1