A Simple Mode

Time limit: 0.05s **Memory limit:** 2M

Your computer engineering instructor gave you a simple task:

> Write a program to find the mode of a list of N 8-bit integers.

Since you think this is too easy a task for your programming prowess, you've decided to make life more interesting... by computing this simple mode in assembly. You're guaranteed by your teacher that the mode will be unique.

Input Specification

The first line of input will contain the integer N ($1 \leq N \leq 100$).
The second line of input will contain N space-separated 8-bit integers in the range $[-100, 100]$, representing the list.

Output Specification

The mode of the list.

Sample Input

```
5
2 2 9 0 18
```

Sample Output

```
2
```

Note

To use `libc` in NASM, the first line of your program should be `; libc`. For all others, it should be `; features: libc`.