

A Simple Maximum

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

Your computer engineering instructor gave you a simple task:

Write a program to find the largest number in a list of N signed 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 maximum in assembly. To top things off, you want to show off by also finding the minimum number in the list.

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 signed 8-bit integers, representing the list.

Output Specification

The minimum number in the list followed by the maximum, and separated by a space.

Sample Input

```
5
2 3 9 0 18
```

Sample Output

```
0 18
```

Note

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