
72568. Maximum in array

Input file: **standard input**
Output file: **standard output**
Time limit: 1 second
Memory limit: 256 megabytes

Given an array consisting of integers. Write a program, which outputs maximum in array.

Input

The first line contains integer n ($1 \leq n \leq 10^5$) — array size. The next line contains n integers a_i ($-10^9 \leq a_i \leq 10^9$) — elements of array.

Output

Single integer, maximum in array.

Examples

standard input	standard output
4 2 7 3 3	7
1 3	3
3 -1 9 5	9
4 -10 -2 -5 -8	-2
2 1 8	8