Maximum

Description

Given n integers, find the maximum number.

Input

The first line of the input contains a single integer n, the number of integers. (1 <= n <= 100)

The next line of the input contains n integers a1, a2, ..., an. (1 <= a1, a2, ..., an <= 1000)

Output

Output a single integer, the maximum integer among a1, a2, ..., an.

Sample I/O

Input(s)	Output(s)
5 3 1 4 15 9	15
3 3 3 3	3