



Problem F. Min Max

Input file: standard input
Output file: standard output
Time limit: 1s
Balloon color: Blue

Given n integers, find minimum and maximum of the given integers.

Input

The first line of the input contains a single integer n , the number of integers. ($1 \leq n \leq 100$)

The next line of the input contains n integers a_1, a_2, \dots, a_n . ($1 \leq a_1, a_2, \dots, a_n \leq 1000$)

Output

Output the minimum and maximum integer among a_1, a_2, \dots, a_n in a single line with a single space between them.

Example

Sample Input 1	Sample Output 1
5 3 1 4 15 9	1 15

Sample Input 2	Sample Output 2
3 3 3 3	3 3