

Economics Students (d)

Problem Description

N students took a course on economics and $m_1, m_2, m_3, \dots, m_n$ represent marks of students 1 to N.

Output maximum and minimum marks.

Input format

First line contains a integer N. Second line contains N integers representing marks of each student.

N
 $m_1, m_2, m_3, \dots, m_n$

Output format

Output two space separated integers - maximum and minimum marks respectively.

Error handling

Marks should be in range $[0, 100]$, if not print (without quotes) "INVALID INPUT", ensure that there are no additional spaces and that text is in **Upper case**.

Constraints

$1 \leq N \leq 1e5$
 $0 \leq m_i \leq 1e9$

Sample input 1

5
10 30 40 60 70

Sample output 1

70 10

Sample Input 2

5
101 30 40 60 70

Sample Output 2

INVALID INPUT