ENSOPICASM

Description

Every nonempty set of positive integers contains a smallest member.   The Well-Ordering Principle.

Given n positive integers, find the smallest member.

Input

The first line contains a positive integer n, the number of positive integers. The second line contains n positive integers. All integers are less than or equal to 1,000,000.

Output

Print the smallest positive integer in a single line.

Sample I/O

Input(s)	Output(s)
5 3 2 6 4 3	2