

Pointer_Level2_009

A sorted array is rotated at some unknown point, find the minimum element in it.

Following solution assumes that all elements are distinct.

Examples

Input: {5, 6, 1, 2, 3, 4} Output: 1

Input: {1, 2, 3, 4} Output: 1

Input: {2, 1} Output: 1

Input Format

Input contains size and the values

Constraints

NIL

Output Format

Print the minimum element

Sample Input 0

```
6
5 6 1 2 3 4
```

Sample Output 0

```
1
```