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## Replace MinMax

Input file:            **standard input**  
Output file:          **standard output**  
Time limit:           1 second  
Memory limit:        256 megabytes

Given a number  $N$  and an array  $A$  of  $N$  numbers. Print the array after doing the following operations:

- Find **minimum** number in these numbers.
- Find **maximum** number in these numbers.
- Swap **minimum** number with **maximum** number.

### Input

First line contains a number  $N$  ( $2 \leq N \leq 1000$ ) number of elements.

Second line contains  $N$  numbers ( $-10^5 \leq A_i \leq 10^5$ )

It's **guaranteed** that all numbers are distinct.

### Output

Print the array after the **replacement** operation.

### Example

standard input	standard output
5 4 1 3 10 8	4 10 3 1 8