72780. MaxToMin

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

Given an array consisting of integers. Write a program, which will change all maximal elements to minimal elements of the array. Look to sample to better understand the conditions.

Input

The first line contains integer n ($1 \leqslant n \leqslant 10^5$) — array size. The next line contains n integers a_i ($1 \leqslant a_i \leqslant 10^9$) — elements of array.

Output

Array with changed elements.

Examples

standard input	standard output
3 9 5 5	5 5 5
4 1 4 14 6	1 4 1 6
5 3 1 2 2 5	3 1 2 2 1
5 1 7 6 15 5	1 7 6 1 5
3 1 14 7	1 1 7