73266. Sort

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

Given an array. Sort it. And reverse it.

Input

The first line contains integer n $(1 \leqslant n \leqslant 10^3)$ — array size. The next line contains n integers a_i $(1 \leqslant a_i \leqslant 10^4)$ — elements of array.

Output

Sorted array in reversed order.

Examples

standard input	standard output
9 4 11 1 7 5 1 6 10 8	11 10 8 7 6 5 4 1 1
4 10 10 11 13	13 11 10 10
6 2 15 3 13 5 13	15 13 13 5 3 2
4 3 4 3 6	6 4 3 3
3 6 3 2	6 3 2