



The problem of sorting

Input: sequence $\langle a_1, a_2, \dots, a_n \rangle$ of numbers.

Output: permutation $\langle a'_1, a'_2, \dots, a'_n \rangle$ such that $a'_1 \leq a'_2 \leq \dots \leq a'_n$.

Example:

Input: 8 2 4 9 3 6

Output: 2 3 4 6 8 9