Given a sequence of numbers. It is necessary to sort these numbers in ascending order of the last digit, and if the last digits are equal, in ascending order (more precisely, in non-decreasing order) of the numbers themselves.

The first line of the input contains an integer N ($1 \leq N \leq 100$). Then N lines contain the numbers themselves, one per line. The numbers are natural and do not exceed 32000.

Sample input:
3
1280
382
930

Sample output:
930 1280 382