Question: The people living on the magnificent island of Holumba have their native language as Hoozli. The interesting thing about this language is that it's read backwards! You are required to write a program to sort the numbers inputted in the order of their names (alphabetically), keeping their native language in mind.

Input: The user must ensure that their program can sort upto 10 numbers. (Refer the constraints.)

Output: Display the output of sorted numbers as shown in example.

Constraints

- The input numbers should be between 0 and 50 both included.

Example (input/output):

1.

Input

1 2 3 4 5

Output

3 1 5 2 4

2.

Input

9 6 20 15 7

Output

9 15 7 6 20

Explanation:

Case 1: For input 1 2 3 4 5 the sorting should consider one, two, three four and five.

Case 2: For input 9 6 20 15 7 the sorting should consider nine, six, twenty, fifteen and seven.

**** END ****