Vector Shift

Write a program that takes in input N numbers. Numbers are stored in a vector.
Then you should follow these steps:
1. One position **left shift** of the vector. Every value of the vector should assume the value of the one next to its. The element N-1 will assume value 0.
   Example: V = 1 2 3 4
   Left Shift: V = 2 3 4 0
2. One position **right shift** of the vector. Every value of the vector should assume the value of the one previous to its. Element of index 0 will assume value 0.
   Example: V = 2 3 4 0
   Right Shift: V = 0 2 3 4

Input
The first line contains a number N, the size of the array.
The second line contains the values of the array.

Output
The first line contains the left shifted vector.
The second line contains the right shifted vector.

Sample input   **Sample output**

Sample input	Sample output
4 1 2 3 4	2 3 4 0 0 2 3 4
3 23 45 34	45 34 0 0 45 34
5 23 3 45 12 2	3 45 12 2 0 0 3 45 12 2