import java.io.\*;

import java.util.\*;

import java.text.\*;

import java.math.\*;

import java.util.regex.\*;

class Main {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int n = sc.nextInt();

int[] bulbs = new int[n];

for (int i = 0; i < n; i++) {

bulbs[i] = sc.nextInt();

}

ArrayList<Integer> result = new ArrayList<>();

int zeroCount = 0;

for (int i = 0; i < n; i++) {

if (bulbs[i] != 0) {

result.add(bulbs[i]);

} else {

zeroCount++;

}

}

while (zeroCount-- > 0) {

result.add(0);

}

for (int bulb : result) {

System.out.print(bulb + " ");

}

sc.close();

}

}