

Shift Zeros

Input file: **standard input**
Output file: **standard output**
Time limit: 1 second
Memory limit: 256 megabytes

Given an array A of size N . Print the array elements after shifting all zeroes in array A to the right.

Note: Solve this problem using function.

Input

First line will contain a number N ($1 \leq N \leq 10^3$) number of elements.

Second line will contain N numbers ($0 \leq A_i \leq 10^3$).

Output

Print the array after shifting right all its zeros.

Examples

standard input	standard output
4 2 0 0 5	2 5 0 0
5 1 5 0 7 4	1 5 7 4 0