

New Array

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

Given two arrays A and B of size N . Print a new array C that holds the concatenation of array B followed by array A .

Note: Solve this problem using function.

Input

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

Second line will contain N numbers ($1 \leq A_i \leq 10^5$) array A elements.

Third line will contain N numbers ($1 \leq B_i \leq 10^5$) array B elements.

Output

Print array C elements separated by space.

Example

standard input	standard output
2	3 4 1 2
1 2	
3 4	