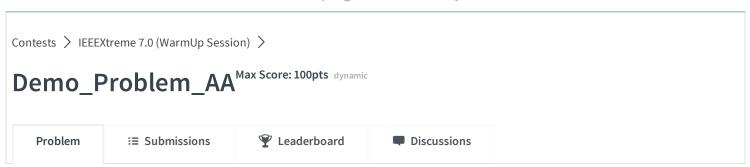


The contest is in progress. It ends 4 days from now.



Vangelis the bear and his older brother Mitsos got bored of Sudoku and so decided to create a logic-based, combinatorial, number-placement puzzle of their own to play. The game they created is quite simple:

Notes: Sometimes a variation could be exactly the same as the original series. Task

Your task is to calculate the original series after receiving the 5 copies.

Input Format

HackerRank

Your program will read 5*N*+1 lines. The first line will contain number *N*. Lines 2..*N*+1: each will contain one number that belongs to the first copy Lines *N*+2..2*N*+1: each will contain one number that belongs to the second copy Rest of the lines: similar.

Output Format

Your program should print the original series, one number per line.

Sample Input 1:

```
5
4
1
3
2
4
5
1
3
2
1
5
4
3
2
5
4
1
2
2
5
4
1
3
```

Sample Output 1

Details

In the above example, the original series is 5,4,1,3,2. The 5 copies are the following:

```
5,4,1,3,2 -- number 2 was moved to position 5
4,5,1,3,2 -- number 4 was moved to position 1
1,5,4,3,2 -- number 1 was moved to position 1
3,5,4,1,2 -- number 3 was moved to position 1
2,5,4,1,3 -- number 5 was moved to position 1
```

Suggest Edits



10 }	
	Line: 1 Col: 1 Count: 190
☐ Use a custom test case	
⚠ Upload Code as File	Compile & Test Submit Code

This is a beta version. Join us on IRC at #hackerrank on freenode for hugs or bugs.

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