

Tree Traversal

Problem	Submissions	Leaderboard	Discussions
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Given inorder and postorder traversals of binary tree, find preorder traversal of binary tree.

Input Format

The first line contains an integer **N** denoting number of nodes in tree.

The second line is an array of elements representing inorder traversal of binary tree.

The third line is an array of elements representing postorder traversal of binary tree.

Constraints

0 < N ≤ 50

0 ≤ inorder[i], postorder[i] ≤ 1000

Output Format

Print the array, representing preorder traversal of binary tree.

Sample Input 0

```
6
4 2 1 5 6 3
4 2 6 5 3 1
```

Sample Output 0

```
1 2 4 3 5 6
```

Sample Input 1

```
10
30 80 20 40 90 10 60 100 50 70
80 30 90 40 20 100 60 70 50 10
```

Sample Output 1

```
10 20 30 80 40 90 50 60 100 70
```


[f](#) [t](#) [in](#)

Submissions: 76
Max Score: 100
Difficulty: Easy

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Current Buffer (saved locally, editable)  

C

```
1▼ #include <stdio.h>
2  #include <string.h>
3  #include <math.h>
4  #include <stdlib.h>
5
6▼ int main() {
7
8▼     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
9     return 0;
10 }
11
```

Line: 1 Col: 1