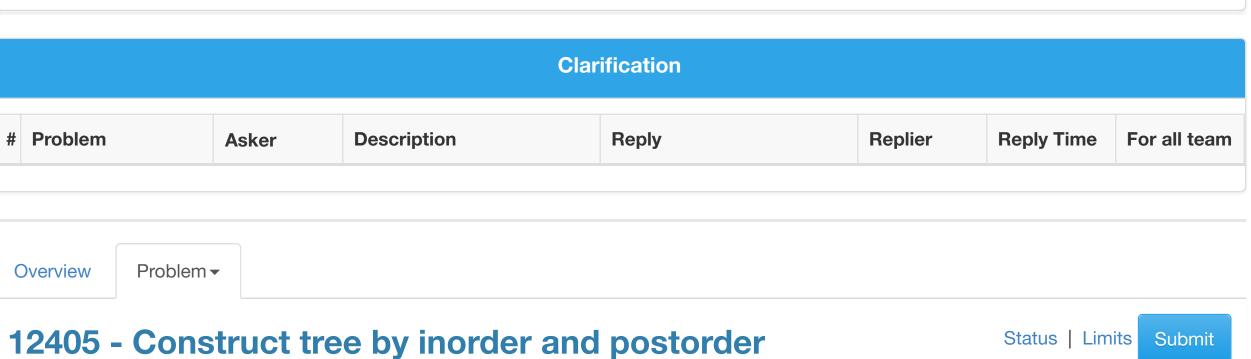
2148 - I2P(II) 2020_Chen_mid1_practice

Time
2020/10/29 18:30:00 16:51:06 2020/11/05 18:30:00

Scoreboard



Register

We will give you the "inorder" and "postorder" of a tree.

Description

You need to print the "preorder" of this tree we give you.

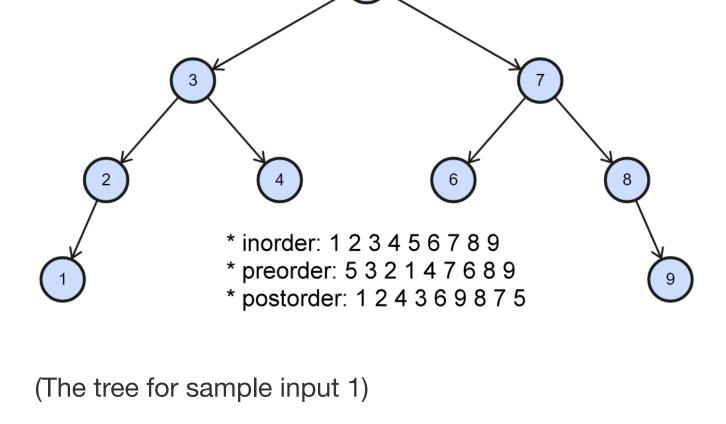
Notice that the final testcase has small memory limit. If you don't free your

tree you will get memory limit exceeded

but there comes an inorder+preorder-to-postorder problem

When you just solve an inorder+postorder-to-preorder problem





(The tree for sample input 2)

of nodes in the tree.

Inorder: 3786112549

Preorder: 2736811594

Postorder: 3 8 11 6 7 4 9 5 2

There are multiple testcases. The testcases will end with **EOF**.

Input

Each testcase contains three lines. First line only contains one integer $n(1 \le n \le 100)$ which means the number

(3)

Second line contains **n** integers which in the range of int. Standing for the "inorder".

"postorder".

Third line contains **n** integers which in the range of int. Standing for the

You have to output in this form:

correct preorder sequence.

Output

testcase<id>: cpreorder sequence>

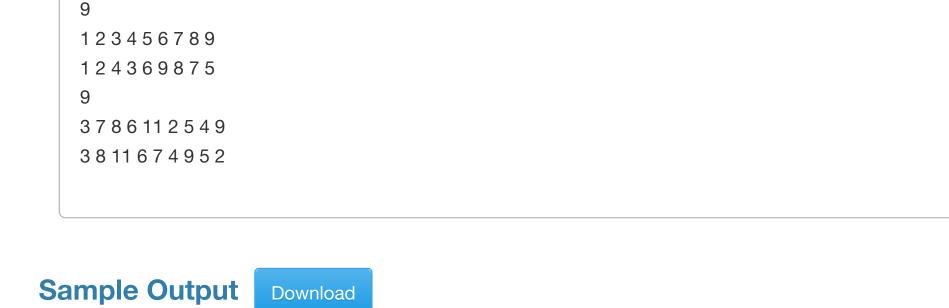
For each testcase output the "preorder" of the tree.

Each number in preorder sequence should be followed by a single blank(even the last number).

If you have further questions, please refer to sample output.

Replace <id> and reorder sequence into the i-th testcase and the

Sample Input Download



testcase1: 5 3 2 1 4 7 6 8 9 testcase2: 2 7 3 6 8 11 5 9 4

Discuss

Contact us: nthucsoj@gmail.com

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2020/11/5 01:38:53