## horizontal line

## **Modified the BST -2**

# **Problem Statements :**

You are given an array of integers. First of all , You have to form a binary search tree from given integers. Now you have given a range. You need to remove all nodes of the BST which are outside the given range.

**Input Format :**

First line contains integer t as number of test cases.

Each test case contains third lines. First line contains an integer n which is length of the array and second line contains n space separated integer. Third lines contains the range.

**Constraints :**

1 < t < 20

1< n < 50

**Output Format :**

For each test case you have to print preorder traversal of the original tree as well as modified tree.

**Sample Input :**

1

7

6 -13 14 -8 15 13 7

-10 13

**Sample Output :**

Preorder : 6 -13 -8 14 13 7 15

Preorder : 6 -8 13 7

**Explanation :**

Original Tree :

. 6  
 / \  
 -13 14  
 \ / \  
 . -8 13 15

/

7

Modified Tree :

6  
 / \  
 -8 13  
 /   
 7

**Time Limit :**

none