**Common elements**

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Given three arrays sorted in non-decreasing order, print all common elements in these arrays.

**Input:**  
First line consists of T test cases. First line of every test case consists of 3 integers N1, N2 and N3, denoting the number of elements of 3 arrays. Second, Third and Forth line of every test case conisists of elements of array1, array2 and array3 respectively.

**Output:**  
Single line output, Print the common elements of array. If not possible then print -1.

**Constraints:**  
1<=T<=100  
1<=N1,N2,N3<=1000  
1<=Ai,Bi,Ci<=1000

**Example:  
Input:**  
1  
6 5 8  
1 5 10 20 40 80  
6 7 20 80 100  
3 4 15 20 30 70 80 120  
**Output:**  
20 80

\*\*For More Examples Use Expected Output\*\*

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package javaapplication241;

import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStreamReader;

import java.util.ArrayList;

import java.util.Arrays;

import java.util.HashSet;

import java.util.Iterator;

/\*\*

\*

\* @author Administrador

\*/

public class JavaApplication241 {

/\*\*

\* @param args the command line arguments

\*/

public static void main(String[] args) throws IOException {

// TODO code application logic here

BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

int t = Integer.parseInt(br.readLine());

while(t-- > 0) {

String[] a = br.readLine().trim().split( " ");

int n1 = Integer.parseInt(a[0]);

int n2 = Integer.parseInt(a[1]);

int n3 = Integer.parseInt(a[2]);

String[] s\_arr1 = br.readLine().trim().split( " ");

int[] a1 = new int[n1];

for(int i =0; i<n1; i++)

a1[i] = Integer.parseInt(s\_arr1[i]);

String[] s\_arr2 = br.readLine().trim().split( " ");

int[] a2 = new int[n2];

for(int i =0; i<n2; i++)

a2[i] = Integer.parseInt(s\_arr2[i]);

String[] s\_arr3 = br.readLine().trim().split( " ");

int[] a3 = new int[n3];

for(int i =0; i<n3; i++)

a3[i] = Integer.parseInt(s\_arr3[i]);

boolean comun = false;

HashSet<Integer> hs = new HashSet<Integer>();

for(int i =0; i<a1.length; i++) {

if(Arrays.binarySearch(a2, a1[i]) >= 0

&& Arrays.binarySearch(a3, a1[i]) >= 0) {

//System.out.print(a1[i] + " ");

hs.add(a1[i]);

comun = true;

}

}

if(!comun) {

System.out.print(-1);

}else{

Iterator<Integer> it = hs.iterator();

while(it.hasNext()){

System.out.print(it.next() + " ");

}

}

System.out.println();

}

}

}