**Finding the numbers**

Submissions: [19632](https://practice.geeksforgeeks.org/problem_submissions.php?pid=1376)  Accuracy:

34.55%

   Difficulty: [Easy](https://practice.geeksforgeeks.org/Easy/0/0/)   Marks: 2

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You are given an array A containing 2\*N+2 positive numbers, out of which 2\*N numbers exist in pairs whereas the other two number occur exactly once and are distinct. You need to find the other two numbers and print them in ascending order.

**Input :**  
The first line contains a value T, which denotes the number of test cases. Then T test cases follow .The first line of each test case contains a value N. The next line contains 2\*N+2 space separated integers.

**Output :**  
Print in a new line the two numbers in ascending order.

**Constraints :**  
1<=T<=100  
1<=N<=10^6  
1<=A[i]<=5\*10^8

**Example:  
Input :**  
2  
2  
1 2 3 2 1 4  
1  
2 1 3 2

**Output :**  
3 4  
1 3

\*\* For More Input/Output Examples Use ['Expected Output'](https://practice.geeksforgeeks.org/problems/finding-the-numbers/0#ExpectOP) option \*\*

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<https://practice.geeksforgeeks.org/problems/finding-the-numbers/0>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp1

{

class Program

{

static List<int> findTwoUnique(int[] arr)

{

Dictionary<int, int> diccio = new Dictionary<int, int>();

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

for (int i = 0; i < arr.Length; i++)

{

if (diccio.ContainsKey(arr[i]))

{

diccio[arr[i]]++;

}

else

{

diccio[arr[i]] = 1;

}

}

List<int> ans = new List<int>();

foreach(KeyValuePair<int,int> kvp in diccio)

{

if(kvp.Value % 2 != 0)

{

ans.Add(kvp.Key);

}

}

ans.Sort();

return ans;

}

public static void Main()

{

int T = int.Parse(Console.ReadLine().Trim());

while (T-- > 0)

{

int n = int.Parse(Console.ReadLine());

int[] arr = Array.ConvertAll(Console.ReadLine().Trim().Split(' '), e => int.Parse(e));

List<int> res = findTwoUnique(arr);

foreach (int item in res)

{

Console.Write(item + " ");

}

Console.WriteLine();

}

//int[] arr = Array.ConvertAll("35 35 79 79 68 68 2 2 98 98 3 3 18 18 93 93 53 53 57 57 2 2 81 81 87 87 42 42 66 66 90 90 45 45 20 20 41 41 30 30 32 32 100 18".Trim().Split(' '), e => int.Parse(e));

//List<int> res = findTwoUnique(arr);

//foreach(int item in res)

//{

// Console.Write(item + " ");

//}

Console.ReadLine();

}

}

}