

## Question 1

Correct

Marked out of 10.00

There are  $n$  people in the party. Each person is wearing T-shirts with a number written on the T-shirts. The numbers on the T-shirts can be unique or the same. In three turns 3 people leave the party one at a time. You are provided with the people remaining in the party after every turn. You need to print the T-shirt number of people who left the party in the order they left.

Input Format:

- The first line contains an integer,  $t$  denoting the number of test cases.

Every test case contains five lines where:

- 1st line contains an integer  $n$  denoting number of people in the party initially.
- 2nd line contains  $n$  space separated integers denoting the T-shirt numbers of all people who are in the party initially.
- 3rd line contains  $n-1$  space separated integers denoting the T-shirt numbers of remaining people who are in the party after 1st turn.
- 4th line contains  $n-2$  space separated integers denoting the T-shirt numbers of remaining people who are in the party after 2nd turn.
- 5th line contains  $n-3$  space separated integers denoting the T-shirt numbers of remaining people who are in the party after 3rd turn.

Output Format:

For every test case print 3 space separated integers denoting the T-shirt number of people who left the party in the order they left. Print a new line at the end of each test case.

Constraints

- $3 \leq n \leq 10^5$
- $-10^5 \leq \text{arr}[i] \leq 10^5$

Sample Input 0

```
1
7
11 5 1 2 7 3 1
11 5 2 7 3 1
5 2 7 3 1
5 7 3 1
```

Sample Output 0

```
1 11 2
```

Explanation 0

We can observe that one of the two 1's is missing after turn 1, similarly 11 is missing after turn 2 and finally 2 is missing after turn 3. So the output is 1, 11, 2.

For example:

Input	Result
1 7 11 5 1 2 7 3 1 11 5 2 7 3 1 5 2 7 3 1 5 7 3 1	1 11 2

Answer: (penalty regime: 0 %)

```
1 for i in range(int(input())):
2     t=int(input())
3     n1=list(map(int,input().split()))
4     n2=list(map(int,input().split()))
5     n3=list(map(int,input().split()))
6     n4=list(map(int,input().split()))
7     lis=[]
8     for i in range(len(n1)):
9         if n1[i]!=n2[i]:
10             lis.append(n1[i])
```

```

11         break
12     for k in range(len(n2)):
13         if n2[k]!=n3[k]:
14             lis.append(n2[k])
15             break
16     for l in range(len(n3)):
17         if n3[l]!=n4[l]:
18             lis.append(n3[l])
19             break
20 print(*lis)
21

```

	Input	Expected	Got	
✓	1 7 11 5 1 2 7 3 1 11 5 2 7 3 1 5 2 7 3 1 5 7 3 1	1 11 2	1 11 2	✓

Passed all tests! ✓