

Find the intersection of two sorted arrays.

OR in other words,

Given 2 sorted arrays, find all the elements which occur in both the arrays.

Input Format

· The first line contains T, the number of test cases. Following T lines contain:

1. Line 1 contains N1, followed by N1 integers of the first array
2. Line 2 contains N2, followed by N2 integers of the second array

Output Format

The intersection of the arrays in a single line

Example

Input:

1

3 10 17 57

6 2 7 10 15 57 246

Output:

10 57

Input:

1

6 1 2 3 4 5 6

2 1 6

Output:

1 6

For example:

Input	Result
1 3 10 17 57 6 2 7 10 15 57 246	10 57

Answer: (penalty regime: 0 %)

```

1 #include <stdio.h>
2
3 int main() {
4     int T;
5     scanf("%d", &T);
6
7     while (T--) {
8         int N1, N2;
9         scanf("%d", &N1);
10        int arr1[N1];
11        for (int i = 0; i < N1; i++) {
12            scanf("%d", &arr1[i]);
13        }
14
15        scanf("%d", &N2);
16        int arr2[N2];
17        for (int i = 0; i < N2; i++) {
18            scanf("%d", &arr2[i]);
19        }
20
21        for (int i = 0; i < N1; i++) {
22            for (int j = 0; j < N2; j++) {
23                if (arr1[i] == arr2[j]) {
24                    printf("%d ", arr1[i]);
25                    break;
26                }
27            }
28        }
29        printf("\n");
30    }
31    return 0;
32 }
33

```

	Input	Expected	Got	
✓	1 3 10 17 57 6 2 7 10 15 57 246	10 57	10 57	✓
✓	1 6 1 2 3 4 5 6 2 1 6	1 6	1 6	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.