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URL : <https://www.spoj.com/problems/SMPSEQ3/>

SMPSEQ3 - Fun with Sequences

[#basics](#)

You are given a sorted sequence of n integers $S = s_1, s_2, \dots, s_n$ and a sorted sequence of m integers $Q = q_1, q_2, \dots, q_m$. Please, print in the ascending order all such s_i that does not belong to Q .

Input data specification

In the first line you are given one integer $2 \leq n \leq 100$, and in the following line n integers:
 $-100 \leq s_i \leq 100, s_i \leq s_{i+1}$.

In the third line you are given one integer $2 \leq m \leq 100$, and in the following line m integers:
 $-100 \leq q_i \leq 100, q_i \leq q_{i+1}$.

Output data specification

The sequence of requested integers separated by spaces.

Example

Input :

5

-2 -1 0 1 4

6

-3 -2 -1 1 2 3

Output :

0 4

SOURCE CODE :

```
#include <iostream>

using namespace std;

int main()
{
    int size1;
```

```
cin >> size1;

int sequence1[size1];
for (int i=0; i<size1; i++)
{
    cin >> sequence1[i];
}

int size2;
cin >> size2;

int sequence2[size2];
for (int j=0; j<size2; j++)
{
    cin >> sequence2[j];
}


int arr[99];
int k,l;
int count=0;
for(k=0; k<size1; k++)
{
    for(l=0; l<size2; l++)
    {
        if(sequence1[k]==sequence2[l])
        {
            l=size2+1;
        }
    }
    if(l==size2)
    {
        arr[count]=sequence1[k];
        count++;
    }
}
```

```

l=0;
}
for(int w=0; w<count; w++)
{
    cout << arr[w] << endl;
}
return 0;
}

```

The screenshot shows the SPOJ website interface. The user is logged in and viewing their submission history. The page title is "Sphere online judge". The navigation bar includes links for PROBLEMS, STATUS, RANKS, DISCUSS, CONTESTS, and PROFILE. The user's profile is selected, and the "History of submissions" tab is active. The page shows a list of submissions with columns for ID, DATE, PROBLEM, RESULT, TIME, MEM, and LANG. There are three submissions listed: two "accepted" and one "wrong answer".

ID	DATE	PROBLEM	RESULT	TIME	MEM	LANG
22477569	2018-10-10 10:42:00	Fun with Sequences	accepted edit ideone it	0.00	2.7M	C++ 4.3.2
22476838	2018-10-10 09:18:38	Life, the Universe, and Everything	accepted edit ideone it	0.00	2.7M	C++ 4.3.2
22476826	2018-10-10 09:19:30	Life, the Universe, and Everything	wrong answer edit ideone it	0.00	2.7M	C++ 4.3.2

Below the table, there is an "Invert" button and a "Selected submissions: -" dropdown menu with an "Execute" button. At the bottom, there are links for About, Tutorial, Tools, Clusters, Credits, API, and Widgets. The footer includes the copyright notice: "© Spoj.com. All Rights Reserved. Spoj uses Sphere Engine™ © by Sphere Research Labs."