SMPSEQ3 - Fun with Sequences

[#basics](http://www.spoj.com/problems/tag/basics)

You are given a sorted sequence of *n* integers *S* = *s*1, *s*2, ..., *sn* and a sorted sequence of *m*integers *Q* = *q*1, *q*2, ..., *qm*. Please, print in the ascending order all such *si* that does not belong to *Q*.

Input data specification

In the first line you are given one integer 2<=*n*<=100, and in the following line *n* integers:   
-100 <= *si* <= 100, *si* <= *si*+1.

In the third line you are given one integer 2<=*m*<=100, and in the following line *m* integers:   
-100 <= *qi* <= 100, *qi* <= *qi*+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

<http://www.spoj.com/problems/SMPSEQ3/>

#include <iostream>

#include <stdio.h>

//#include <conio.h>

int main(){

int n;

scanf("%d", &n);

int s[n];

for(int i = 0; i < n; i++){

scanf("%d", &s[i]);

}

int m;

scanf("%d",&m);

int q[m];

for(int i = 0; i < m; i++){

scanf("%d", &q[i]);

}

int j = 0;

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

{

while (j < m && s[i] > q[j])

{

j++;

}

if ( j < m && q[j] > s[i])

{

printf("%d ", s[i]);

}

if (j >= m)

{

printf("%d ", s[i]);

}

}

printf("\n");

return 0;

}