SMPSEQ4 - Fun with Sequences (Act 2)

[#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 belongs 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:**

-2 -1 1

<http://www.spoj.com/problems/SMPSEQ4/>

--ACEPTADO--

#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 && S[i] == Q[j])

        {

            printf("%d ", S[i]);

        }

    }

*// getch();*

**return** 0;

}