SPOJ 2

José Rocha

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

Specification: You are given a sorted sequence of n integers S = s_1, s_2, ..., s_n and a sorted sequence of m integers Q = q_1, q_2, ..., 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¡=n¡=100, and in the following line n integers: -100 ¡= s_i ¡= 100, s_i ¡= s_i+1.

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

Output data specification

The sequence of requested integers separated by spaces.

Example:

Example

```
Input:
5
-2 -1 0 1 4
6
-3 -2 -1 1 2 3
Output:
0 4
```

1   Source Code

1.1   Python

```python
n = input()
s = input().split()
m = input()
q = input().split()

for i in s:
    if i not in q:
        print(i, end=' ')
```

1.2 Java

```java
import java.util.Scanner;

public class Spoj2 {
    public static void main(String[] args) {
        int n, m;
        Scanner in = new Scanner(System.in);
        n = in.nextInt();

        //new list S
        int[] S = new int[n];
        for (int i = 0; i < n; i++) {
            S[i] = in.nextInt();
        }

        // new list Q
        m = in.nextInt();
        int[] Q = new int[m];
        for (int i = 0; i < m; i++) {
            Q[i] = in.nextInt();
        }

        // print elements from S that are not in Q
        for (int i = 0; i < n; i++) {
            boolean found = false;
            for (int j = 0; j < m; j++) {
                if (S[i] == Q[j]) {
                    found = true;
                    break;
                }
            }
            if (!found) {
                System.out.print(S[i] + " ");
            }
        }
    }
}
```

2 Submission

PROBLEMS ● STATUS 🏆 RANKS 🗩 DISCUSS CONTESTS ⚠ 🔘 PROFILE ▾

Problems / / Fun with Sequences / My submissions   ▼ Not hidden submissions   All submissions

David: submissions
Fun with Sequences

ID		DATE	PROBLEM	RESULT	TIME	MEM	LANG
30243716	☐	2022-10-18 18:48:05	Fun with Sequences	**accepted** edit ideone it	0.77	54M	JAVA
30243708	☐	2022-10-18 18:46:50	Fun with Sequences	compilation error edit ideone it	-	-	JAVA
30242962	☐	2022-10-18 16:51:01	Fun with Sequences	runtime error (SIGABRT) edit ideone it	0.01	5.4M	CPP14
30242769	☐	2022-10-18 16:17:16	Fun with Sequences	wrong answer edit ideone it	0.01	5.4M	CPP14
30242752	☐	2022-10-18 16:14:16	Fun with Sequences	compilation error edit ideone it	-	-	CPP14
30242678	☐	2022-10-18 16:01:23	Fun with Sequences	wrong answer edit ideone it	0.01	5.4M	CPP14
30242670	☐	2022-10-18 15:59:28	Fun with Sequences	wrong answer edit ideone it	0.01	5.4M	CPP14
30242667	☐	2022-10-18 15:58:51	Fun with Sequences	wrong answer edit ideone it	0.01	5.4M	CPP
30242649	☐	2022-10-18 15:55:30	Fun with Sequences	wrong answer edit ideone it	0.01	5.4M	CPP
30216742	☐	2022-10-14 18:45:03	Fun with Sequences	compilation error edit ideone it	-	-	C++ 4.3.2
30216734	☐	2022-10-14 18:44:43	Fun with Sequences	compilation error edit ideone it	-	-	CPP
30216729	☐	2022-10-14 18:44:10	Fun with Sequences	compilation error edit ideone it	-	-	CPP
30196648	☐	2022-10-13 17:09:06	Fun with Sequences	**accepted** edit ideone it	0.09	9.0M	PYTHON3