Poker Face

ZPRAC-16-17-Lab6

[30 points]

After stopping Rachita from ruining the internet for everyone, you check up on Nishant to see what he is up to. Nishant being a Machine Learning expert has developed a method to cheat on online poker events and he is earning big bucks! Since cheating is illegal, Nishant has put himself in a vulnerable state. Nishant is Bhuvesh and Rohan's friend and they don't want him to get caught. You need to help Nishant in fooling the Poker Organizers.

Given Nishant's actual bets are represented by an increasing (not necessarily strictly increasing) sequence of positive integers, and the sequence of bets predicted by the Machine Learning algorithm which is also an increasing (not necessarily strictly increasing) sequence of positive integers, you need to find all the bets which Nishant made and are not present in the sequence predicted by his algorithm.

Input:
First line contains a number n, denoting the number of bets Nishant made
The second line contains n positive integers in an increasing order which were Nishant's bets.
The third line contains a number m, denoting the number of predicted bets.
The fourth line contains m positive integers in an increasing order which are the algorithm's predictions.

Output:
Print all the bets made by Nishant in decreasing order which are not present in the predicted series.

Example:
5
2 5 8 10 12
6
2 4 6 8 12 14

Output:
10 5

Explanation:
Nishant placed the bets 5 and 10 which are not present in the predicted sequence. They have been printed in decreasing order.

Constrants:

$1 \leq m,n \leq 10^4$

$1 \leq bets \leq 10^9$