# Fun with Sequences (Act 2)

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 ascending order all such  $s_i$  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 <=  $s_i$  <= 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**

### Input:

5 -2 -1 0 1 4 6 -3 -2 -1 1 2 3

#### **Output:**

-2 -1 1