

Fun with Sequences (Act 3)

You are given a sequence of n integers $S = s_1, s_2 \dots s_n$ and a sequence of m integers $Q = q_1, q_2 \dots q_m$.

Please print in ascending order all such i , that $s_i = q_i, i \leq n, i \leq m$.

Input data specification

In the first line you are given one integer $2 \leq n \leq 100$, and in the following line n integers:
 $-100 \leq s_i \leq 100, s_i \leq s_{i+1}$.

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

Output data specification

The sequence of requested indexes separated by spaces.

Example 1

Input:

```
5
-2 -2 -1 1 4
6
-3 -2 -1 1 2 3
```

Output:

```
2 3 4
```

Example 2

Input:

```
5
-2 -1 -3 1 4
5
-3 -2 -1 1 2
```

Output:

```
4
```