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 $s_i = q_i$, $i<=n$, $i<=m$.

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 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