import java.util.\*;

public class Solution {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int n = sc.nextInt();

List<Integer> a = new ArrayList<>();

for (int i = 0; i < n; i++) {

a.add(sc.nextInt());

}

int m = sc.nextInt();

List<Integer> b = new ArrayList<>();

for (int i = 0; i < m; i++) {

b.add(sc.nextInt());

}

List<Integer> c = new ArrayList<>();

int i = 0, j = 0;

while (i < n) {

if (j < m && a.get(i) > b.get(j)) {

c.add(b.get(j));

j++;

} else {

c.add(a.get(i));

i++;

}

}

while (j < m) {

c.add(b.get(j));

j++;

}

for (int x : c) {

System.out.print(x + " ");

}

}

}