1. John plans to buy a laptop. He has shortlisted some of the models based his requirements. He has also collected the list of models available in two stores A and B. Given his shortlist and the list of model numbers of the laptops available in A and B; help John to perform the following tasks.

    1. List the model number of laptops available in at least one of the stores.
    2. List the model number of laptops in John's shortlist but not available in any of the stores.

Input Format

- The first line contains three space-separated integers n_1, n_2, and n_3 corresponding to the number of laptops in the shortlist, the number of laptops available in store A and store B, respectively.
- The second line contains n_1 space-separated integers corresponding to the model number of the laptops in John's shortlist.
- The third line contains n_2 space-separated integers corresponding to the model number of the laptops available in store A.
- The forth line contains n_3 space-separated integers corresponding to the model number of the laptops available in store B.

The integers n_1, n_2, n_3 are in the range $[1, 10^3]$; and the model numbers are in the range $[1, 10^4]$.

Output Format

- The first line contains the model number of laptops (separated by space) available in at least one of the stores, without repetition, in the order given below.
    - The model number of laptops available only in store A is printed first (in the order they were given in the input), followed by the model number of those available only in store B (in the order they were given in the input), followed by the model number of laptops available in both A and B (in the order they were given in the input of A).
- The second line contains the model number of laptops (separated by space) in John's shortlist but not available in any of the stores, in the order they were given in the input of his shortlist. If there are no such laptops, print -1.

Sample Input and Output

Input 1

```
6 7 9
1012 1145 4145 5587 1714 1212
3325 4145 8102 1257 1825 1212 6125
1212 8102 4365 8012 4145 3014 1402 1012 6125
```

Output 1

```
3325 1257 1825 4365 8012 3014 1402 1012 4145 8102 1212 6125
1145 5587 1714
```

Input 2

```
4 5 6
3125 5147 2258 8367
5147 8367 2478 4015 5025
1012 1145 4145 2258 1714 3125
```

Output 2

```
5147 8367 2478 4015 5025 1012 1145 4145 2258 1714 3125
-1
```