Factor Follies

Former friends are ferociously fighting over which numbers are the finest factors! Help them find common ground by selecting some numbers that are divisible by all of their favorite factors.

On the first line of standard input, your program will be given two positive integers $n < 10$ and $m < 20$, where n is a number of factors and m is a number of potential multiples. The second line will contain n positive integers (the factors), and the third line will contain m additional positive integers (the potential multiples).

As output your program must print a single line containing every potential multiple that is divisible by all of the given factors, separated by spaces, and in the same order as they are given in the input. You may assume there will always be at least one number that is a multiple of every factor.

Example 1

The following is a sample input for this problem:

```
2 4
3 5
5 30 20 15
```

The following is the correct output for the input above:

```
30 15
```

Example 2

The following is a sample input for this problem:

```
3 3
2 7 4
14 28 29
```

The following is the correct output for the input above:

```
28
```