

Contest Duration: 2021-04-17(Sat) 12:40 (<http://www.timeanddate.com/worldclock/fixedtime.html?iso=20210417T1610&p1=248>) - 2021-04-17(Sat) 14:40 (<http://www.timeanddate.com/worldclock/fixedtime.html?iso=20210417T1810&p1=248>) (local time) (120 minutes)

iso=20210417T1610&p1=248) - 2021-04-17(Sat) 14:40 (<http://www.timeanddate.com/worldclock/fixedtime.html?iso=20210417T1810&p1=248>) (local time) (120 minutes)

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B - Xor of Sequences



Time Limit: 2 sec / Memory Limit: 1024 MB

Score : 200 points

Problem Statement

We have two strictly increasing integer sequences $A = (A_1, A_2, \dots, A_N)$ and $B = (B_1, B_2, \dots, B_M)$.

Find all integers that appear in exactly one of A and B and print them in ascending order.

Constraints

- All values in input are integers.
- $1 \leq N, M \leq 10^3$
- $1 \leq A_1 < A_2 < \dots < A_N \leq 10^3$
- $1 \leq B_1 < B_2 < \dots < B_M \leq 10^3$

Input

Input is given from Standard Input in the following format:

```
N M
A1 A2 ... AN
B1 B2 ... BM
```

Remaining Time
00:07:04

Output

Print all integers that appear in exactly one of A and B in ascending order, with space as separator.

Sample Input 1

[Copy](#)

```
2 2
1 2
1 3
```

[Copy](#)

Sample Output 1

[Copy](#)

```
2 3
```

[Copy](#)

1 is contained in both A and B ;

2 is contained in only A ;

3 is contained in only B .

Thus, we should print 2 and 3.

Sample Input 2

[Copy](#)

```
4 4
1 2 3 4
1 2 3 4
```

[Copy](#)

Sample Output 2

[Copy](#)[Copy](#)

You can print an empty line or nothing.

Language

Python (3.8.2)

Source Code

```
1
```

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* at most 512 KiB

* Your source code will be saved as `Main.extension`.



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