

LCC/Moose '20 Contest 1 S1 - Cheetahs

Time Limit: 2.0s **Memory Limit:** 64M

Because of the COVID-19 pandemic, Professor Lily has decided that his students will self-grade and self-report the scores on their assignments. Professor Lily has a class of N students, numbered 1 to N , whom he has asked to self-report the scores they received on an assignment with maximum score M .

Can you determine which students failed to report their score correctly?

Input Specification

The first line of input contains two integers N and M , ($1 \leq N, M \leq 100$).

The second line of input contains an integer S the number of test scores Professor Lily received, ($1 \leq S \leq 1000$).

The next S lines contain two positive integers x_i ($1 \leq x_i \leq N$) and y_i ($0 \leq y_i \leq 100$), denoting that that student x_i has self-reported that he/she scored y_i on the assignment.

Output Specification

A single line consisting of a list of space separated integers, in increasing order, the students that did not submit their assignment correctly.

Sample Input 1

```
5 10
5
1 11
3 8
4 3
5 8
5 7
```

Sample Output 1

```
1 2 5
```

Sample Input 2

6 6
6
3 5
1 0
4 3
3 5
5 7
6 2

Sample Output 2

2 5