Jake is looking at phone call records of suspects for a crime. He thinks that the person who committed the crime made relatively many phone calls that day (which can be any recent day). He finds a person suspicious if there is a big change in the number of his phone calls from one day to another. A big change is a difference of at least 10 (since he is not good at maths and it seems easy to check). Still, he has trouble analyzing the numbers. Can you help him list the suspicious persons?

Input

The first line of the input contains n $(1 \le n \le 100)$ $(1 \le n \le 100)$ – the number of suspects, and d $(1 \le d \le 100)$ $(1 \le d \le 100)$ – the number of days for which Jake has the phone call records. Each of the next n lines contains d integers, the number of phone calls made by a person on the days when the crime could have happened.

Output

The first line of your output should contain a single number, the number of suspicious persons. In the next line, you should list the indexes of these persons, separated by spaces. The persons are indexed from 1.

Example

input

```
4 5
1 1 2 0 1
5 13 1 4 2
2 2 22 19 35
3 6 2 0 5
```

output

```
2
2 3
```

Note

Explanation: the 2nd and the 3rd person have a big change in the number of phone calls at least once. Second person: 13 -> 1. Third person: 2 -> 22 (and 19 -> 35).