# Road Reconstruction

You have to rebuild some roads in your city. Write a program that finds all the roads without which **buildings** in the city will become **unreachable**. You will receive how many **buildings** the town has on the first line, then you will receive the amount of **streets** and finally for **each street** you will receive which **buildings it connects**. Find all the streets that are important and **cannot be removed** and print them as shown in the examples.

### Input

* On the first line you will receive the **amount** of the **buildings**
* On the second line you will receive the **amount** of the **streets** (**n**)
* On the next **"n"** lines you will receive which **buildings** each **street connects**

### Output

* On the first line print: **"Important streets:"**
* On the next lines (if any) print the street in the format: **"{firstBuilding} {secondBuilding}"**
* The **order** of the output does **not matter** as long as you print all of the important streets

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 5  5  1 - 0  0 - 2  2 - 1  0 - 3  3 - 4 | Important streets:  3 4  0 3 |
| 7  8  0 - 1  1 - 2  2 - 0  1 - 3  1 - 4  1 - 6  3 - 5  4 - 5 | Important streets:  1 6 |