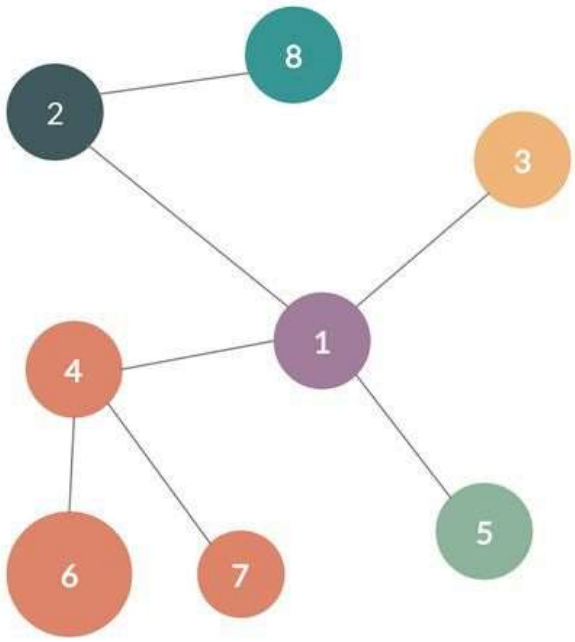
Lockdown

Due to the COVID-19 pandemic, most countries have decided to lockdown their countries. The country 'ABC' has also decided to lockdown their country. An overview of the country's division of cities is as follows.

There is a central city (**1**) in the country, and all other cities start from that central city and go in different directions that are connected by roads (number of roads **R**). In all the directions, there can be one city after the other, but no such two directions connect making a circular path.



This country has an even number of cities (**N**), and the government decides to divide the cities into sections (**S**), in order to manage the lockdown process. Each section must contain an even number of cities. The sections are separated from each other by closing roads in between them.

Your task is to find the number roads that need to be closed, such that s would be at its maximum.

Input Format

The first line of input contains two integers **N** and **R**, the number of cities and roads.

The next **R** lines contain two integers which specify cities connected by the roads of the country. The central city of the country is represented as **1** and other cities represented as **2** to **N**.

Constraints

$2 \leq N \leq 100$

Output Format

Print the number roads that need to be closed, such that **S** would be at its maximum.

Sample Input 0

```
8 7
2 1
3 1
4 1
5 1
6 4
7 4
8 2
```

Sample Output 0

```
1
```

Contest ends in 2 days

Submissions: 57
Max Score: 150
Difficulty: Medium

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Suggest Edits

Collapse

Current Buffer (saved locally, editable) Python 3

```
result=list(map(int,input().split()))
c=result[0]
r=result[1]
data=[0]*8
for i in range(r):
    result=list(map(int,input().split()))
    c1=result[0]
    c2=result[1]
    data[c1]+=1
    data
```

Line: 1 Col: 1

Upload Code as File Test against custom input Run Code Submit Code