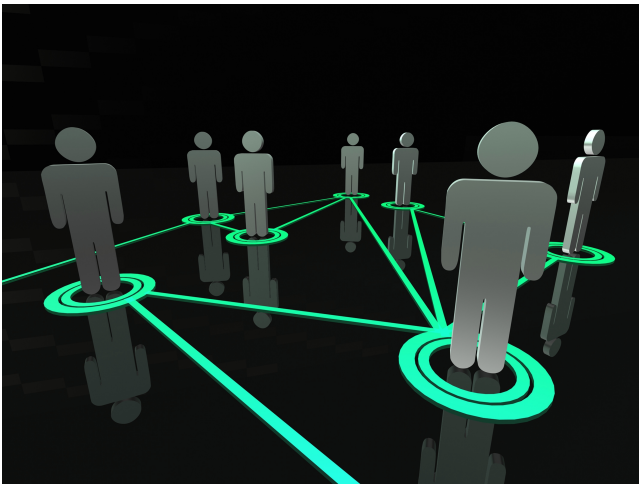


# Problem C - (Un)social network

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## Description

Nowadays, everybody knows many, many people. So much so, that the producers of a TV game show are finding it increasingly difficult to find enough people to take part in their show. Given a set of members of a social network, they want to know the size of the largest group of people such that none of its members know one another.



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## Input

For each test case, the number of members,  $n$ , and the number of connections between members,  $m$ , are given in the first line, separated by white space. Then, in each of the next  $m$  lines, a pair of values, also separated by white space, indicates that two members of the network know each other. Members are numbered from  $0$  to  $n-1$ . Note that some members may not know anyone in the network.

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## Output

The output for each test case consists of a single line with the maximum size of a group of members who do not know one another.

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## Example

Example input:

```
6 6
0 1
0 2
```

0 3  
0 4  
0 5  
1 5

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**Example output:**

4

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