## Number of Components

A simple graph is given. Determine the number of components.

## Input

The first line contains two numbers $n$ and $m\left(1 \leq n \leq 10^{5}, 1 \leq m \leq 3 \cdot 10^{5}\right)$, indicating the number of vertices in the graph.

Followed by $m$ lines, each containing a pair of numbers representing an edge of the graph (the vertices of the graph are numbered from one).

## Output

The output should consist of a single number: the number of components in the given graph.

## Example

| input |  |  |
| :--- | :--- | :--- |
| 6 4  <br> 1 2  <br> 2 3  <br> 3 1  <br> 5 6  | Coutput |  |

