

Problem Description

Given an undirected graph, you have to find the number of connected components in that graph.

Input format

First line contains 2 integers N and E, representing the number of nodes and edges respectively.

Next E lines contain 2 space separated integers U and V, representing an edge between nodes U and V. Nodes are numbered from 1 to N

Output format

Print the number of connected components.

Constraints

$1 \leq N \leq 100000$

$1 \leq E \leq 100000$

Sample Input 1

5 3

1 2

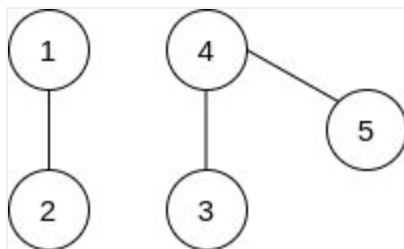
3 4

4 5

Sample Output 1

2

Explanation 1



There are 2 components in this graph {1,2} and {3,4,5}