Finding Trees

Input file:	`standard input`
Output file:	`standard output`
Time limit:	1 second
Memory limit:	256 megabytes

You are given a huge tree with numbered nodes from 0 to N (The root being numbered 0). Your friend accidentally deletes the root and all edges with the root as an end point. You are left with a list of edges. Can you tell how many subtrees have been formed due to your friend's action?

Input

The first line contains the number of vertices $N(1 \leq N \leq 10^5)$ in the new trees/graph followed by the number of edges M in the new trees/graph. The next $M(1 \leq M < N)$ lines contain a pair of integers u and v each, denoting an edge between u and v in the graph.

Output

The number of trees in the so-formed forest.

Example

standard input	standard output
5 2 3 4 2 5	3