Köln-Deutz

Deutsche Bahn wants to improve its infrastructure. We call a track section *critical* if closing down means that there exist two stations that are not connected any more. As a first step, they want to identify all track sections which are critical.

Input: You are given a simplified version of a railway network as a graph, i.e., the stations are the vertices and there is an unweighted undirected edge between two vertices if there is a track between the stations. The first line contains two integers: At first the number of vertices n, and then the number of edges m. The vertices are numbered from 0 to $n-1$. Then, m lines containing integers a_i and b_i follow, which encode an edge between vertices a_i and b_i.

Since there are construction works, you cannot assume that every station is connected to every other station. There may be parallel tracks between the stations.

Output: Output the number of critical track sections.

Sample Input:

```
7 6
0 1
1 2
3 4
3 5
4 5
5 6
```

Sample Output:

```
3
```