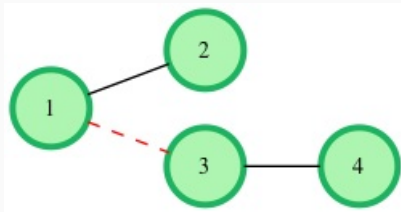


You are given a tree (a simple connected graph with no cycles).

Find the maximum number of edges you can remove from the tree to get a [forest](#) such that each connected component of the forest contains an even number of nodes.

As an example, the following tree with **4** nodes can be cut at most **1** time to create an even forest.



### Function Description

Complete the *evenForest* function in the editor below. It should return an integer as described.

*evenForest* has the following parameter(s):

- *t\_nodes*: the number of nodes in the tree
- *t\_edges*: the number of undirected edges in the tree
- *t\_from*: start nodes for each edge
- *t\_to*: end nodes for each edge, (Match by index to *t\_from*.)

### Input Format

The first line of input contains two integers *t\_nodes* and *t\_edges*, the number of nodes and edges.

The next *t\_edges* lines contain two integers *t\_from*[*i*] and *t\_to*[*i*] which specify nodes connected by an edge of the tree. The root of the tree is node **1**.

### Constraints

- $2 \leq n \leq 100$
- $n \in \mathbb{Z}_{\text{even}}^+$

*Note*: The tree in the input will be such that it can always be decomposed into components containing an even number of nodes.  $\mathbb{Z}_{\text{even}}^+$  is the set of positive even integers.

### Output Format

Print the number of removed edges.