Here is your Assignment.

**You make ONE SINGLE UPLOAD ON LEA PER GROUP! (IS THIS CLEAR?!)**

**a company wants to increase the reliability of its network and is piloting hardware enhancements in one of the data centers prior to a full-scale roll out. To facilitate the routing of the incoming packets, there is a network of N routers in the data center. Every router is connected to every other router of the network either through a direct link or via some other routers.**

**to increase the fault tolerance of the network, the company wants to identify routers which would result in a disconnected network if they went down and add replicas of these routers to the network.**

**Write an algorithm to identify all such routers that need to**

**be connected to the network all the time.**

**Input**

**the input to the function/method consists of three**

**arguments:**

**numRouters, an integer representing the number of routers**

**in the data center (>=3)**

**numLinks, an integer representing the number of links**

**between the pair of routers.**

**links, a list of pairs of integers -A,B reprensenting**

**a link between the routers A and B. the network will be**

**connected.**

**Output**

**Return a list of integers representing the routers which**

**need to be connected to the network all the time.**

**---------------------------------------------------**

**Example:**

**input:**

**numRouters = 7**

**numLinks = 7**

**links = [[1,2],[1,3],[2,4],[3,4],[3,6],[6,7],[4,5]]**

**Output:**

**[3 , 4 , 6]**