**Input Description :**

Here we are using a text file “input.txt” as an input to our program. The first line of the text file contains the number of nodes and number of requests.

Assumption: Number of nodes and number of requests are more than 0.

**Set 1:**

**Input : 3 3**

**Output:**

Node 0 is requesting the critical section.

The node : 0 at Timestamp: 1 is Requesting to: 1

Node 1 sends reply to Node 0

The node : 0 at Timestamp: 1 is Requesting to: 2

Node 2 sends reply to Node 0

Node 0 has entered the critical section (SUCCESS).

Node 0 has released the critical section after some time.

Node 1 is requesting the critical section.

The node : 1 at Timestamp: 2 is Requesting to: 0

Node 0 sends reply to Node 1

The node : 1 at Timestamp: 2 is Requesting to: 2

Node 2 sends reply to Node 1

Node 1 has entered the critical section (SUCCESS).

Node 1 has released the critical section after some time.

Node 2 is requesting the critical section.

The node : 2 at Timestamp: 3 is Requesting to: 0

Node 0 sends reply to Node 2

The node : 2 at Timestamp: 3 is Requesting to: 1

Node 1 sends reply to Node 2

Node 2 has entered the critical section (SUCCESS).

Node 2 has released the critical section after some time.

**Set 2 :**

**Input : 3 5**

Node 0 is requesting the critical section.

The node : 0 at Timestamp: 1 is Requesting to: 1

Node 1 sends reply to Node 0

The node : 0 at Timestamp: 1 is Requesting to: 2

Node 2 sends reply to Node 0

Node 0 has entered the critical section (SUCCESS).

Node 0 has released the critical section after some time.

Node 1 is requesting the critical section.

The node : 1 at Timestamp: 2 is Requesting to: 0

Node 0 sends reply to Node 1

The node : 1 at Timestamp: 2 is Requesting to: 2

Node 2 sends reply to Node 1

Node 1 has entered the critical section (SUCCESS).

Node 1 has released the critical section after some time.

Node 2 is requesting the critical section.

The node : 2 at Timestamp: 3 is Requesting to: 0

Node 0 sends reply to Node 2

The node : 2 at Timestamp: 3 is Requesting to: 1

Node 1 sends reply to Node 2

Node 2 has entered the critical section (SUCCESS).

Node 2 has released the critical section after some time.

Node 0 is requesting the critical section.

The node : 0 at Timestamp: 4 is Requesting to: 1

Node 1 sends reply to Node 0

The node : 0 at Timestamp: 4 is Requesting to: 2

Node 2 sends reply to Node 0

Node 0 has entered the critical section (SUCCESS).

Node 0 has released the critical section after some time.

Node 1 is requesting the critical section.

The node : 1 at Timestamp: 5 is Requesting to: 0

Node 0 sends reply to Node 1

The node : 1 at Timestamp: 5 is Requesting to: 2

Node 2 sends reply to Node 1

Node 1 has entered the critical section (SUCCESS).

Node 1 has released the critical section after some time.

**Set 3:**

Input : 0 3

Output : please enter valid no. of nodes!

**Set 4 :**

Input : 5 0

Output : please enter valid no. of requests!