# LAB 2 Input Format

- Number of nodes (n): integer (nodes will be assigned IDs from 0 to n-1)

- Is at least one node's clockCounter higher than 0? (y/n)

If yes:

- List of clockCounters of nodes: integers separated by ','

- Is there a node already in critical section? (y/n)

If yes:

- ID of node in critical section: int

- Does this node have any stored nodes to whom goAhead was not awarded yet? (y/n)

If yes:

- List of IDs of such nodes: integers separated by ','

- Number of nodes (w) waiting for critical section that already asked for permission: int

For each of w nodes (if w>1):

- Enter node ID: int

- Enter clockCounter when node requested critical section: int

- Does this node have stored nodes awaiting goAhead? (y/n)

If yes:

- List of integers corresponding to IDs of stored nodes (they requested goahead but it was not given to them by this node): integers separated by “,”

- List of integers corresponding to approvals: 1 and 0 integers separated by "," //for each node (for idx of requesting node there is value "1") from network either approval was obtained = 1 in the index corresponding to ID of Node that gave the approval or was not obtained = 0

- Requests that will be made in the network (timestamp,node ID pairs):

e.g., 12,0 or 11,3

## Examples

There are 2 ways of inputting data into program, either like sequence of interactions with the console or in a form of a file

**~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~INTERACTIONS EXAMPLE:**

Choose mode: "step" for step by step input, "file" for input file

step

Enter number of nodes (int): 4

Is at least one node's timestamp higher than 0? (y/n): n

Is any node in the critical section? (y/n): n

Enter number of nodes waiting for critical section (int): 0

Obrázok, na ktorom je text, snímka obrazovky, diagram, kruh

Automaticky generovaný popisEnter requests to be made one per line (format: timestamp,nodeID). Type 'done' to finish:

1,3

4,0

14,2

18,1

done

**~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ FILE EXAMPLES:**

Choose mode: "step" for step by step input, "file" for input file

file

Obrázok, na ktorom je rad, kruh, text, diagram

Automaticky generovaný popisEnter file path:

02\_lab/src/main/resources/input1.txt

Input1.txt:  
5  
y  
4,10,7,4,5  
y  
1  
y  
4,2  
2  
4  
5  
y  
2,  
1,0,1,1,1  
2  
7  
n  
1,0,1,1,0  
12,0  
11,3

----example-----------------------------------------------------------------------------------------------

Choose mode: "step" for step by step input, "file" for input file

file

Obrázok, na ktorom je text, snímka obrazovky, kruh, diagram

Automaticky generovaný popisEnter file path:

02\_lab/src/main/resources/input.txt

input.txt:  
5  
y  
2,8,2,2,2  
y  
1  
n  
0  
2,0  
2,2

----example--------------------------------------------------------------------------------------------  
Choose mode: "step" for step by step input, "file" for input file

file

Enter file path:

02\_lab/src/main/resources/input2.txt

Obrázok, na ktorom je text, snímka obrazovky, diagram, kruh

Automaticky generovaný popisInput2.txt:

4  
n  
n  
0  
1,3  
4,0  
14,2  
18,1

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