IntersectionNetowork:

-SetModel(intersectionLanes, semphorePhases) – creates and sets the input/output paramters of the Neuronal Netowork

Cells:

* At creation initialize a new grid with the values of the Agents
* -modifyXML(newState, id) – modifies the duration at the specified id with the values in the list newState
* isCompatible(currentState, previousState, nextState) – checks if the three cells are compatible with each other
* modify(currentState, previousState, nextState, position) – checks if the three cells have enough green states to decongestion the traffic. If they are checks which cells contains a higher number of states. The lowest updates its duration values to fit the other states values. If the duration value is too high than a threshold then it will change the duration value to fit half.
* AutomateIntersection() – goes through all semaphoreStates and check which are compatible. The ones that are are tested through the modify() function and updated. At the end it modifies each new Semaphore Duration with the values, updated or not in the Cells

Agent:

- at creation it has initialized the Neuronal Netowork and the initial values in the simulation

-modifyXML(newState) – modifies the duration with the values in the list newState

-run() – checks if it can start the change in the semaphore. If not it will add the currently halting cars for each lane. Else it starts the Q Algorithm