Maisons graph

All the states of the graph are represented in a nodes in the graph and graph is implemented in adjacency list of representation of the graph.

The program begin by calculating all forward paths and then calculate all loops and send both of them to object called calculations that oprerate over them and do all the calculations.

Important methods :

Calculate fordward paths:

It’s a method that iterate over all the nodes and check all the fordpaths in the grath

Calculate all loops:

It iterate over all the nodes and assume that it’s the beginning of a loop so if it returnud back to the same node it declare anew loop if not then advance too the next nood

Data structures used :

The program carry each state in an object called node and the states connected to it in another object called neighbour

All functions deal with the graph in this form.

Calculations object :

It’s the object that receive the forward paths and loops of the graph to do the calculations and return back all the required calculations to print them to the user on the screen.

Some screen schots:



