

AI Project 2

The CSP algorithm I use takes in a graph and tests to see if it is colorable. I set the first node to the most connected node and recursively traverse the graph, first removing the current node's color from the neighbors color possibility. Then I find the minimum remaining value node and pass that into the function. I also use the least constraining value to set the color of the node. After I recurse through the entire graph or a node is found to have no colorability then I return true or false to the user.

To run the project: ``python project-2.py``

Inside the file you can switch the txt file you want to read

NOTE: To run the program you must install networkx

Install networkx with this line: ``pip install networkx``