This program provides a solution to the color theorem, common in AI theory. Assuming a solution can be found, the program tells the user what color to make each variable. Otherwise it simply returns a message that there is no solution.

The format for using the test file is:

(number of variables, number of edges, number of colors)

edge from one variable to another

.

.

.

the last edge desired

To Run:

java -jar ColorTheory.jar

If testing another file, make sure it’s located in the same folder. The default test file is named Test.

For any further questions please email Troy McMillan at t.softwaredev@gmail.com.