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.