# CSCI 446 Artificial Intelligence Example Runs

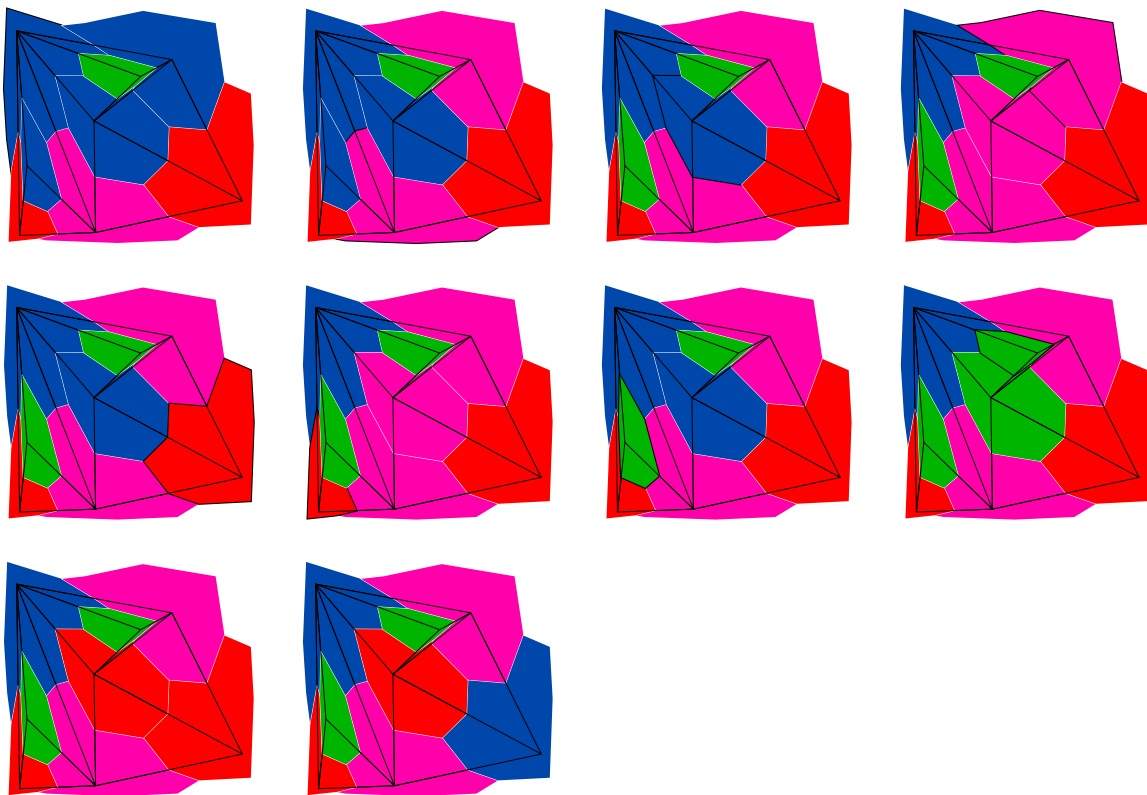Roy Smart        Nevin Leh        Brian Marsh
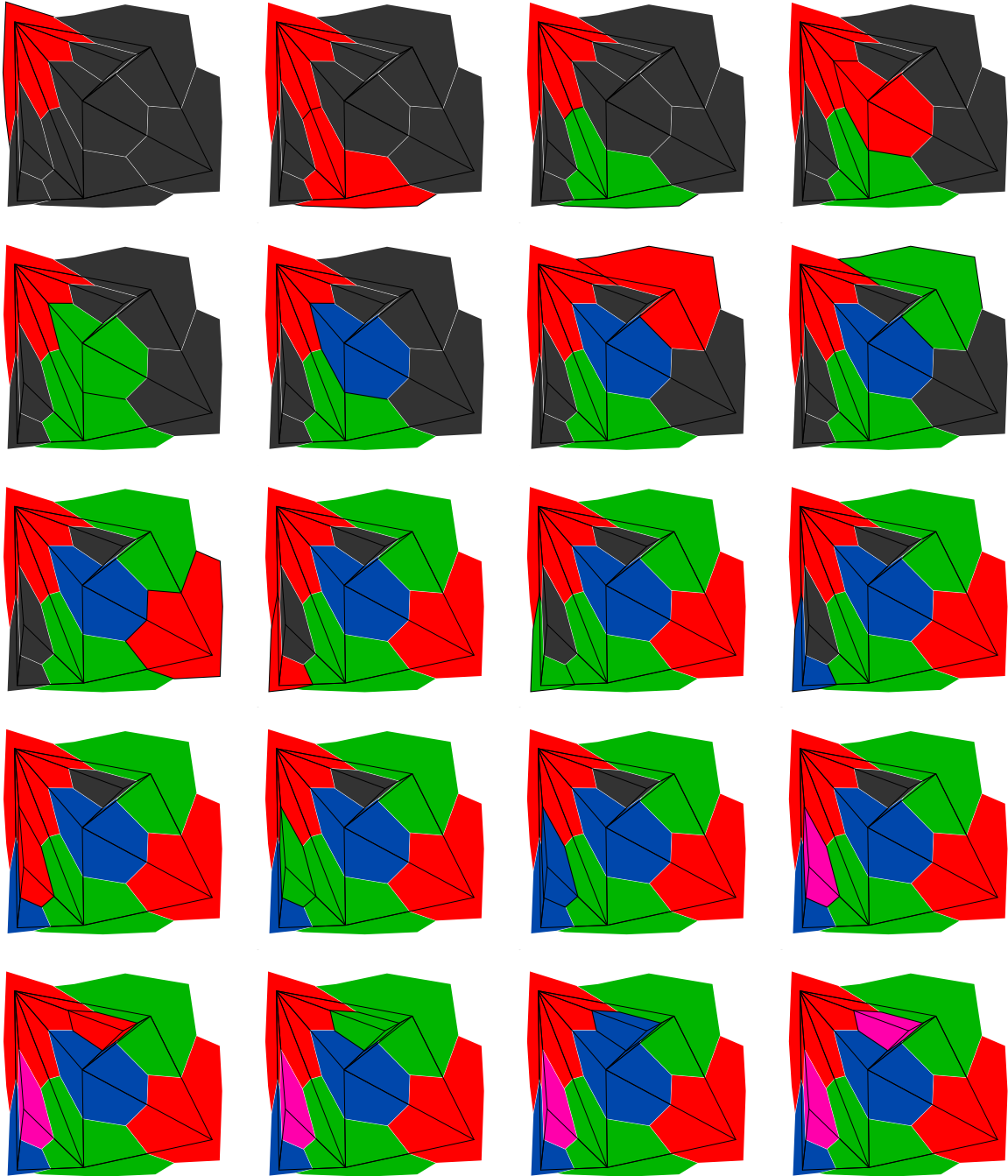
September 24, 2016

The five algorithms were run on an N=8 graph. Coloring at each step were recorded and displayed below. Please see the video files in the `videos` folder in this directory or at `youtube.com`

## 1    Min Conflicts

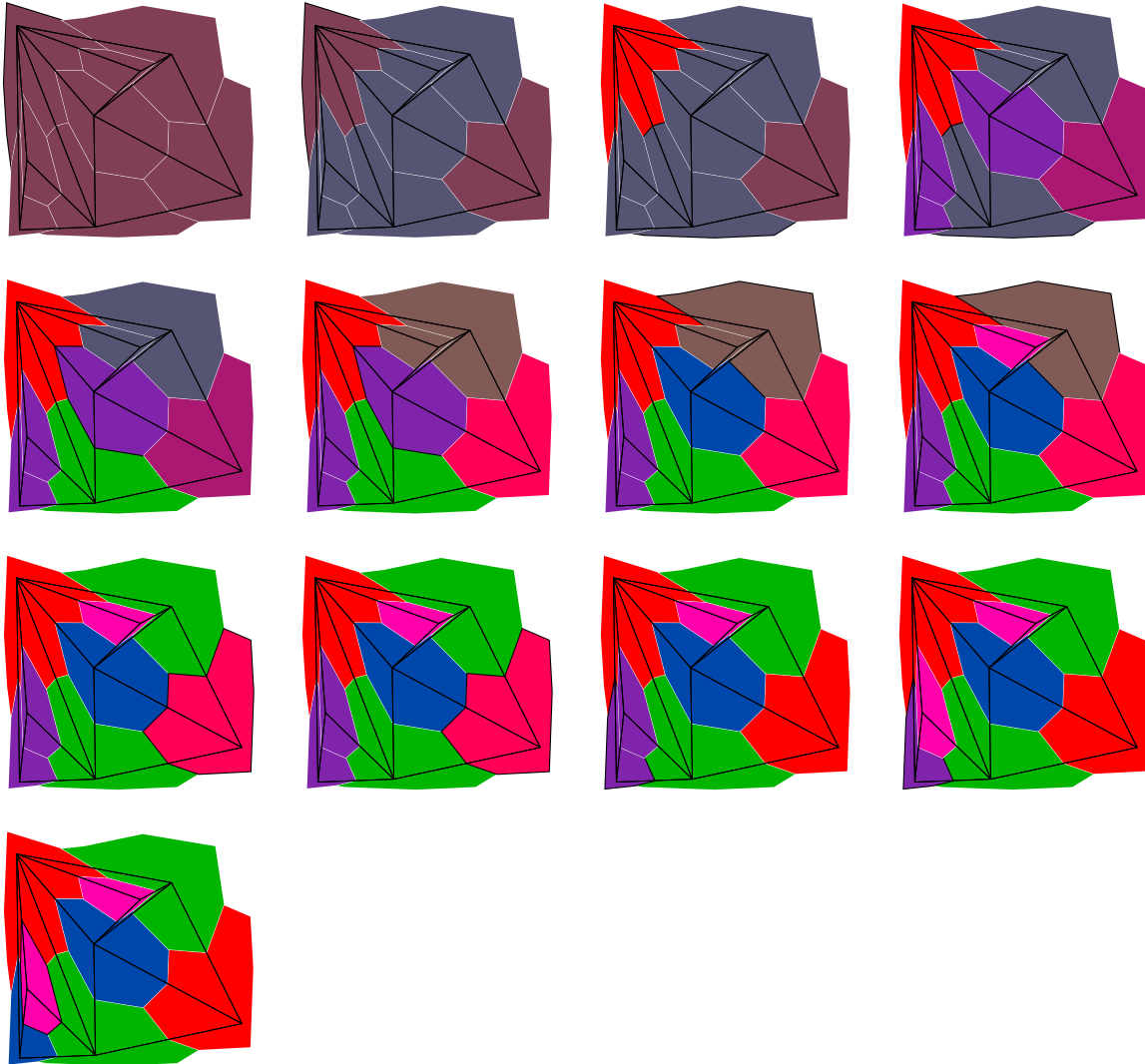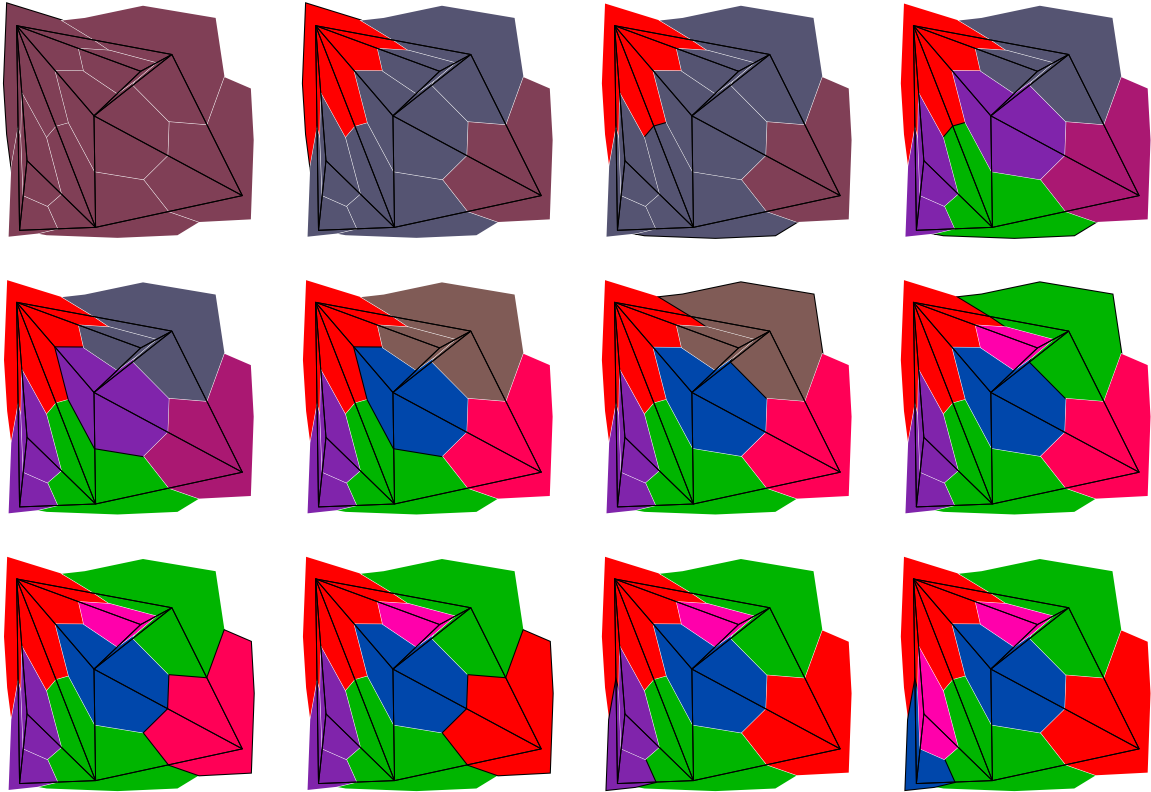# 2    Simple Backtracking

# 3 Backtracking with Forward Checking

Please note that the intermediate colorings represent an additive mixing of the 4 pure colorings.

# 4   Backtracking with Constraint Propagation

Please note that the intermediate colorings represent an additive mixing of the 4 pure colorings.

# 5   Genetic

Please note that each picture shows the most fit individual from each generation.