

Homework 7, Morally Due Tue Apr 2, 2013

COURSE WEBSITE: <http://www.cs.umd.edu/~gasarch/858/S13.html>

(The symbol before gasarch is a tilde.)

NOTE: This HW is not based on any class material, but it is easy. Its the same flavor as the class material.

1. (0 points) What is your name? Write it clearly. Staple your HW. When is the midterm (give Date and Time)? If you cannot make it in that day/time see me ASAP. Join the Piazza group for the course. The codename is cmsc858.
2. (0 points) (THIS WILL MAKE MORE SENSE AFTER THURSDAYS LECTURE- I HAVE NOT POSTED THE PAPER YET.) I will post a paper that you should READ. This is an experiment in having a Flipped Classroom. There will be a short QUIZ on it on Tuesday April 2. Quiz is open notes- you can bring the paper and/or a laptop. (NOTE- The paper is an easy read and the quiz will be easy.)
3. (50 points) Show that for all 2-colorings of the 5×5 grid there is a rectangle with all four corners the same color.
4. (50 points) Show that for all 2-colorings of the 3×7 grid there is a rectangle with all four corners the same color.