

Math 135: Discrete Mathematics, Spring 2010

Homework 2 Extra Credit Problem

Due *in class* on Monday, Feb. 1, 2010

For this homework, you may write up solutions with 1 partner; both of you will receive the same grade based on your joint writeup. Please make sure to read the course policies on homework *before* writing up your homework.

1. Extra Credit: Consider an arrangement of n lines in the plane. Prove (using induction) that the regions produced by the lines can be colored red and blue so that neighboring regions are colored differently.

