Math 4096 Homework 2

Due Thusday, September 15

1. Page 23, Exercise 1.21

2. Page 25, Exercise 1.25.

3. There are seven links with 2 components and at most 6 crossings (see pages 287–288 in the book). Compute their linking numbers. Which links on the list are not distinguished by linking number? Can you distinguish them using tricolorability?

4. Page 22, Exercise 1.18.