Math 4096 Homework 6
Due Thursday, October 20

1. Exercise 4.18. Show that the surface produced by Seifert’s algorithm does not depend on
the orientation we choose for a knot.

2. Let $L$ be a link of 2 components. What happens to the surface produced by Seifert’s
algorithm if we change the orientation on one component of $L$?

3. Exercise 4.20. Find surfaces for the first two diagrams (skip the third).

4. Exercise 4.22.

5. Exercise 4.27.