Problems

(1) Find a Seifert Surface for the following Knots/Links.

What is the genus of the link/knot?

(a)

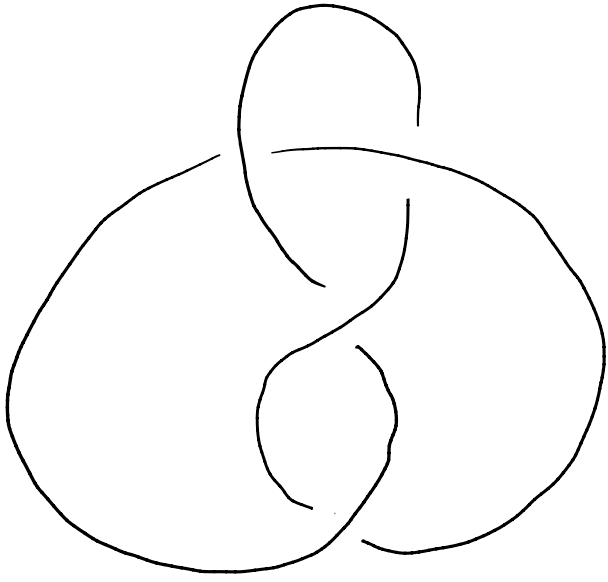
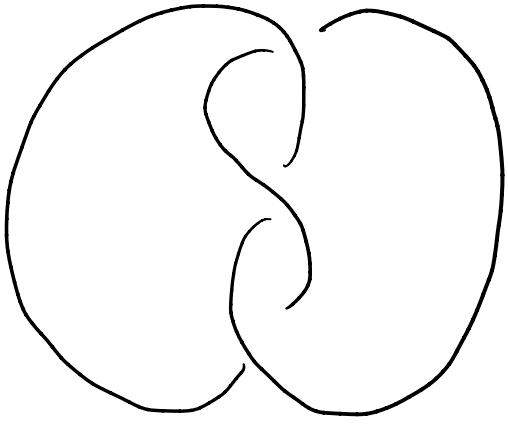


Figure 8

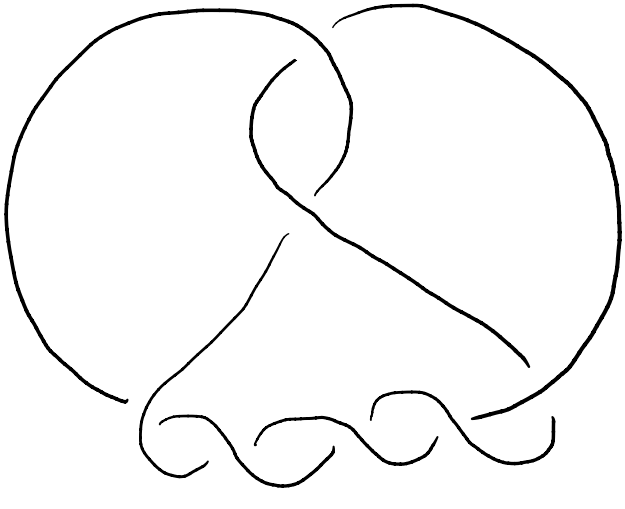
b



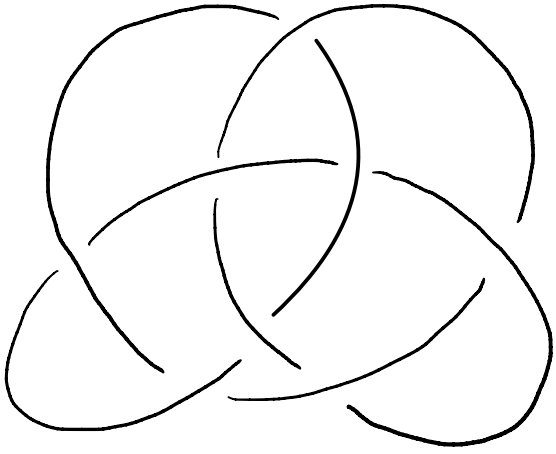
Trefoil Knot

(Compare with the one we draw in the lecture)

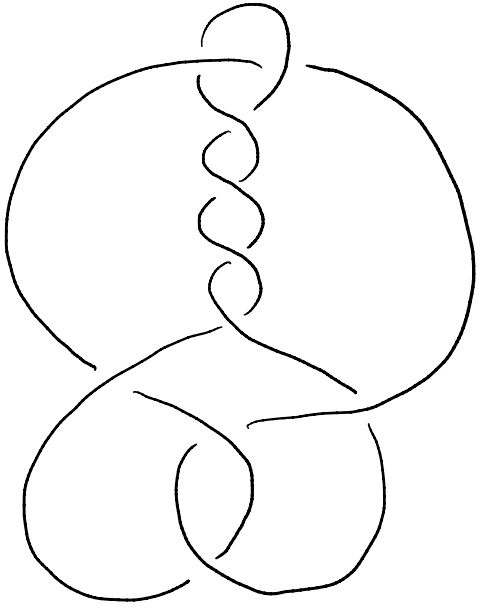
c



(d)



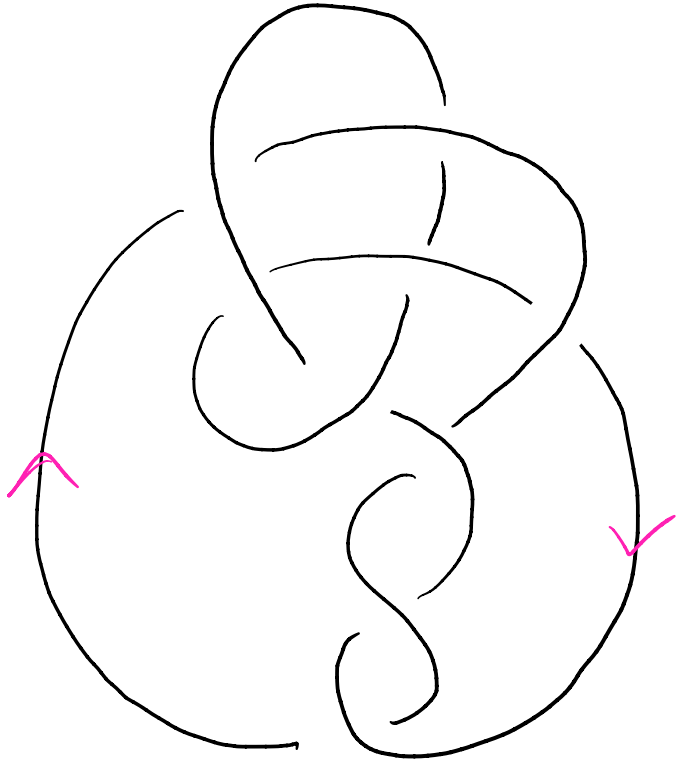
(e)



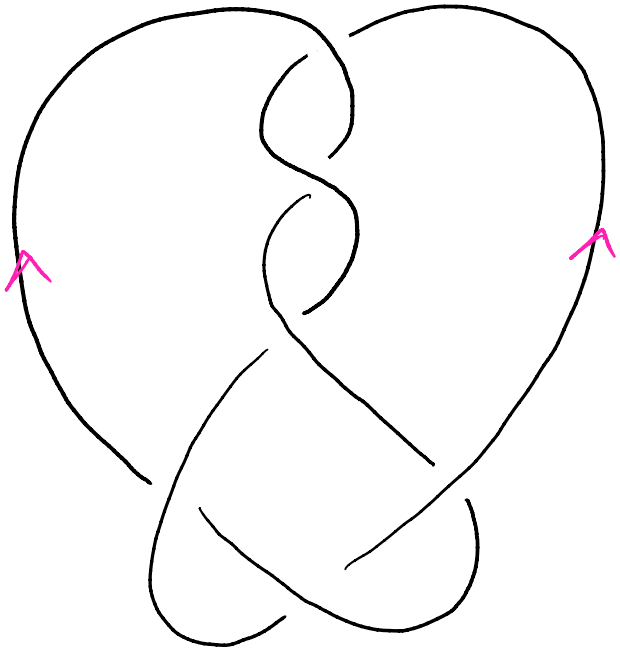
(2) For each knot in Problem 1, draw a non-orientable spanning surface.

4 Calculate the linking number of the following Links.

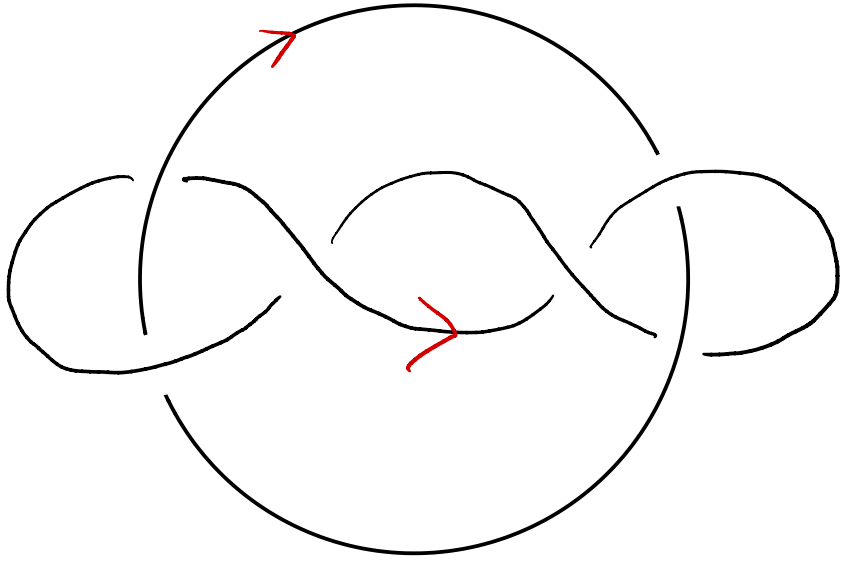
a)



b

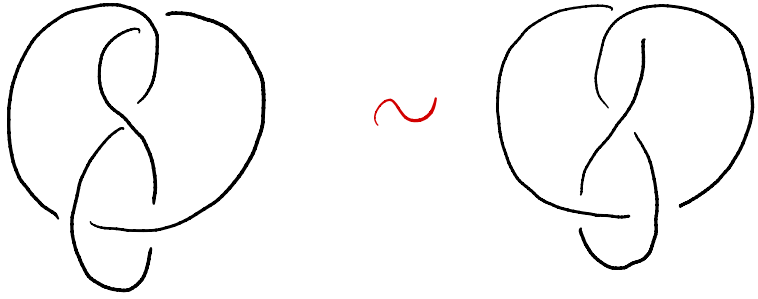


c

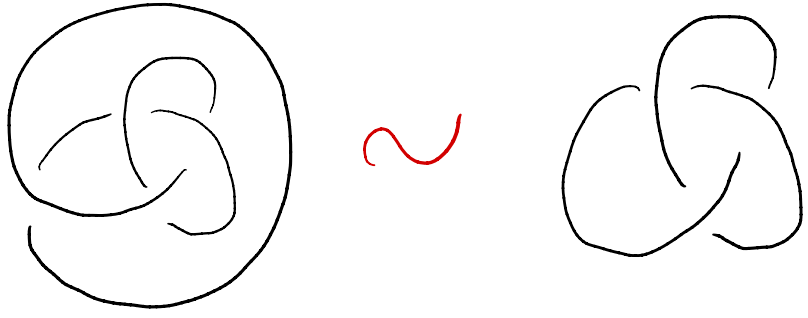


(5) Show that the following knots are same using isotopies and Reidemeister moves.

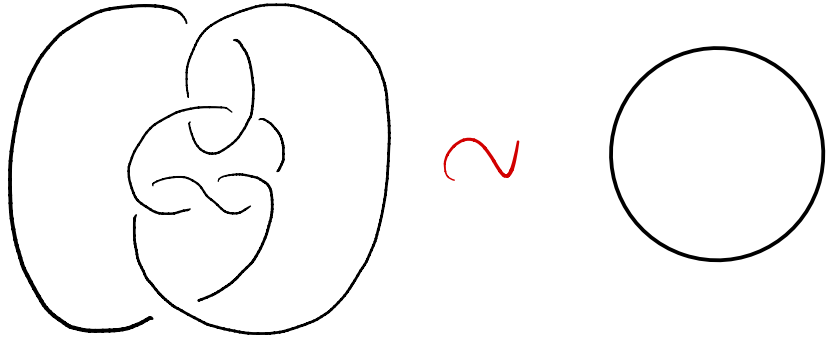
(a)



(b)



(c)



6. Download KLO (Knot-Like-Objects)

KLO-software-net

and play around with it.

7. Check

Knotinfo.math.indiana.edu

At the top bar

there is an option for links.