Math 309: Introduction to knot theory
Assignment 6, due Friday November 29 by 10:59 pm.

1. Let $T_{n,2}$, for odd integers $n > 0$, be a 2-stranded torus knot (this family includes 3_1, 5_1...). Give a formula for the Alexander polynomial $\Delta_{T_{n,2}}$.

2. Prove that the following knot has trivial Alexander polynomial:

3. Using the diagram given in the knot table, compute the linking form for the knot 7_4. Using this, calculate the Alexander polynomial.