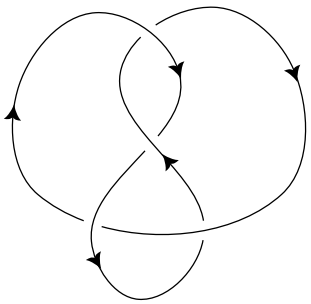
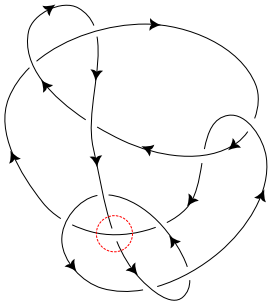
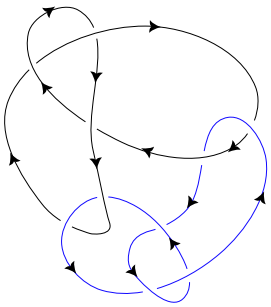
Conway polynomial

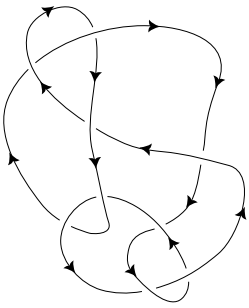
Exercise 1: Calculate the conway polynomial of the following knot.

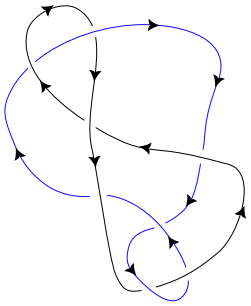


Exercise 2: Calculate the conway polynomial of the following knot K. To make it more managable, use that it has unknotting number of one and the circled intersection is the witness of it. Additionaly the following diagrams might be useful. And you can use that $\Delta_E(z) = 0$ and $\Delta_T(z) = z^2 + 1$ and that for any knots K_1 and K_2 it holds that $\Delta_{K_1 \# K_2}(z) = \Delta_{K_1}(z) \cdot \Delta_{K_2}(z)$. Of course if you have time, prove these helping statements.

$K =$ 





$E =$ 

$T =$