

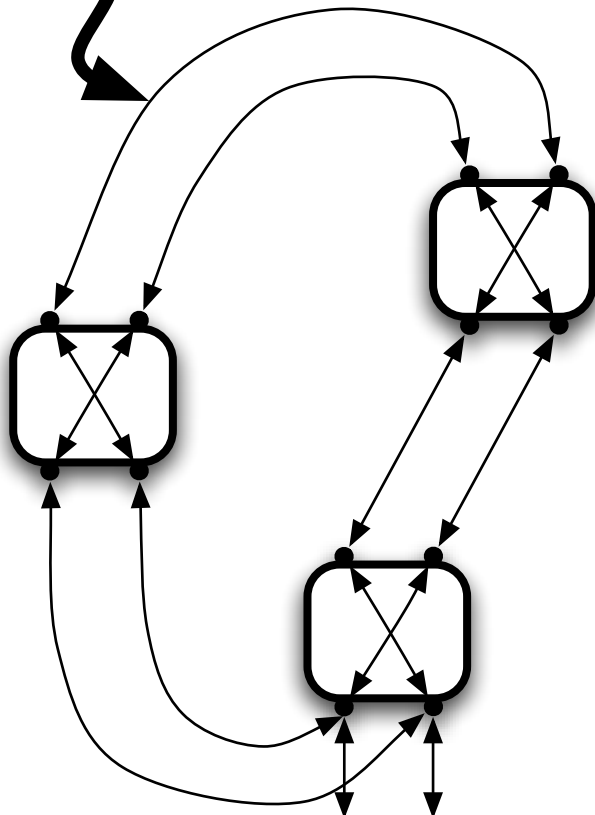
interpret crossings  
as  
logical gates

interpret knots as  
wirings of these logical gates

$C(x_0, x_1, y_0, y_1)$

$=$

$$(\text{nu } t)((x_1(s).(y_0[s] \mid t[]) + y_0(s).(x_1[s] \mid t[])) \\ \mid (x_0(s).t().(y_1[s] \mid C(x_0, x_1, y_0, y_1)) \\ + y_1(s).t().(x_0[s] \mid C(x_0, x_1, y_0, y_1))))$$



$$\text{Trefoil}(x_0, \dots, x_5) = C(x_0, x_1, x_2, x_3) \mid C(x_4, x_5, x_0, x_1) \mid C(x_5, x_4, x_3, x_2)$$