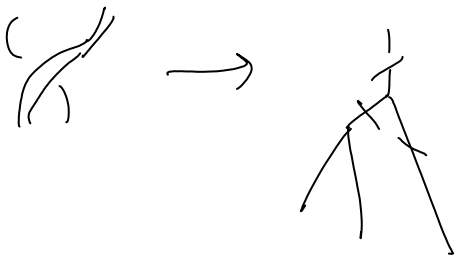
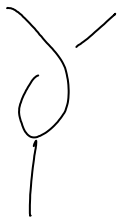


Deriving the pentagon and the hexagon

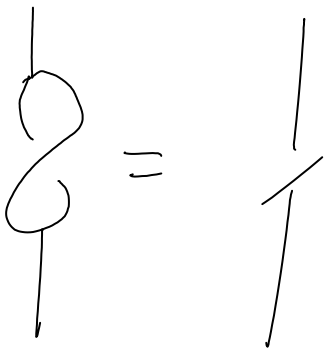
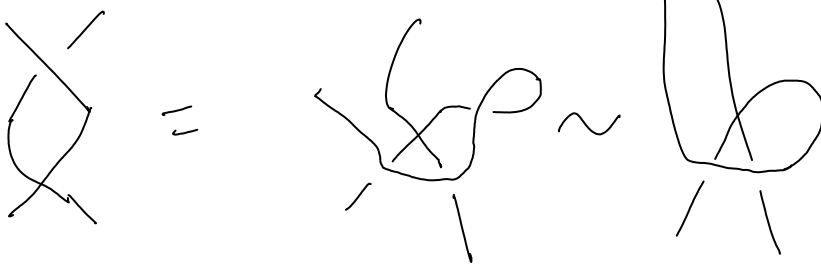
April-20-08
2:59 PM



I still don't understand
F!
(maybe also not R)

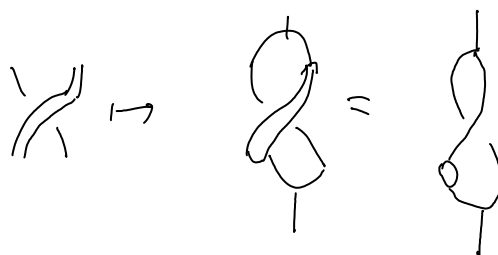
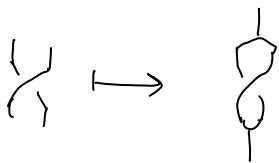
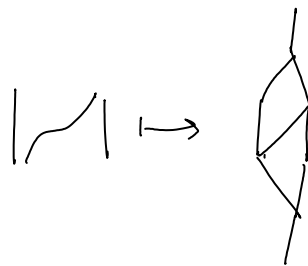
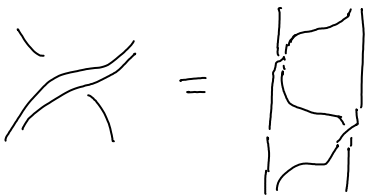


$$F = R F^{2,1} e^{-t/2}$$

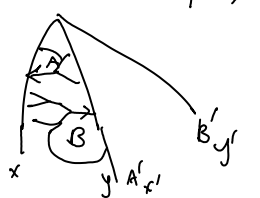


Connected sum
is well-defined
in semi-naive
virtuals ?!?!
o o o

probably
not!



What is triality on tdur_2 ?

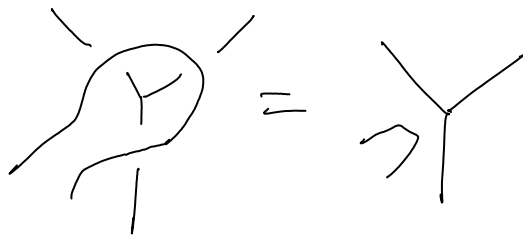
$$\begin{aligned}
 (A(x,y), B(x,y)) &\xrightarrow{T} (B(y-x, -x) - A(y-x, -x), -A(y-x, -x)) \\
 &\xrightarrow{T} (-B(-y, x-y), A(-y, x-y) - B(-y, x-y)) \\
 &\xrightarrow{T} (A(x, y), B(x, y))
 \end{aligned}$$


!

F's trick:



and



$$\begin{aligned}
 e^{xy} e^{-x-y} &= \left(1+x+\frac{x^2}{2}\right) \left(1+y+\frac{y^2}{2}\right) \left(1-x-y+\frac{(x+y)}{2}\right) \\
 &= 1 + \cancel{xy} - \cancel{x^2} - \cancel{xy} - \cancel{yx} - \cancel{y^2} + \frac{x^2}{2} + \frac{y^2}{2} + \frac{x^2}{2} + \frac{y^2}{2} + \frac{xy+y^2}{2} \\
 &= (xy - yx)/2 = [xy]/2
 \end{aligned}$$

$$T[x, y] = [y, -x-y] = [y, -x] = [x, y]$$

$$F =$$


so far so good.