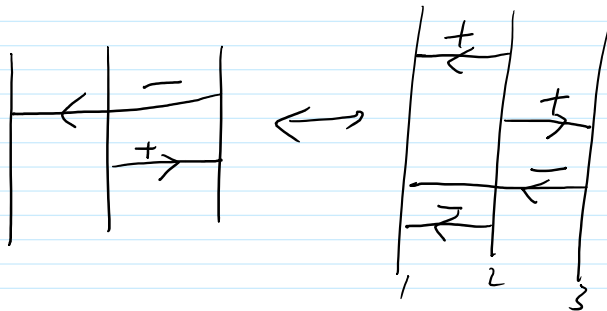
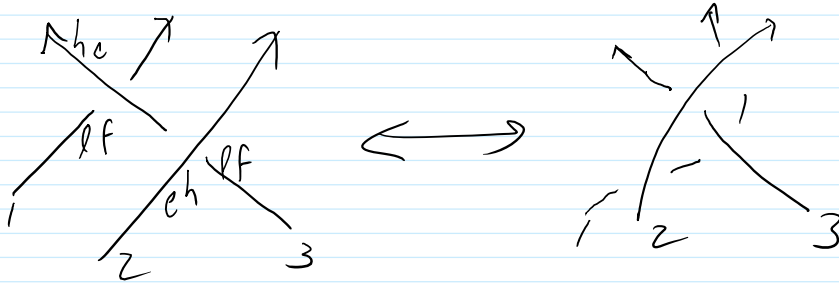
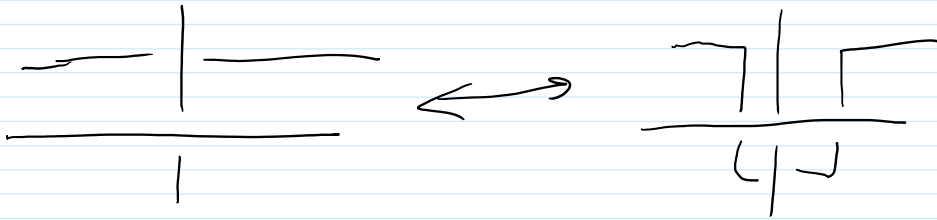


Scratch 2

March 28, 2017 7:56 PM



I need:
 1. Methodologies to constrain the types of primitive diagrams that may arise on the right.
 2. Technology to compute them.

IF α & β are central and I know $e^{\alpha x} e^{\beta y}$, then by differentiation I know $F(x,y)$ for any F . What if α, β do not commute w/ each other, though still commute with x, y ?

Given a bracket on V and a bracket on V^* , and with $r = id \in V^* \otimes V$, what condition ensures that the CYBE-induced bracket on $V^* \otimes V$ make $V \otimes V^*$ a Lie algebra?