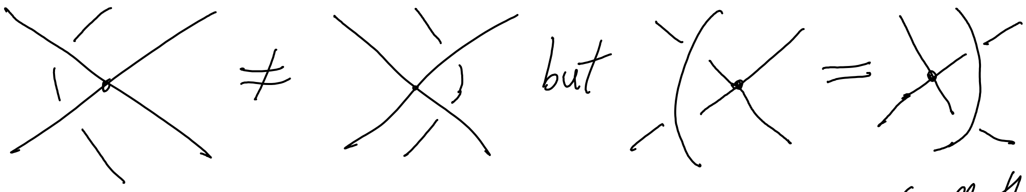
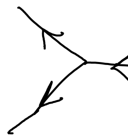
Semi-Naive Virtuals

April-18-08
10:32 PM

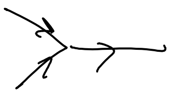
These are virtual knots modulo just one of the naive relations:

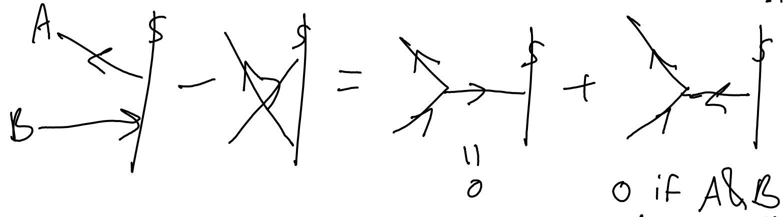


In $\vec{A}^t$, this becomes  $=0$ (Call the quotient $\vec{A}^{cc}$)

It is also (expectedly) invisible to the upper fundamental group.
It also reads "co-commutative Lie bialgebras".

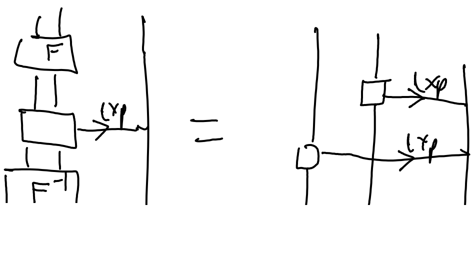
Given all this, perhaps I should forget all about automorphisms of free groups?

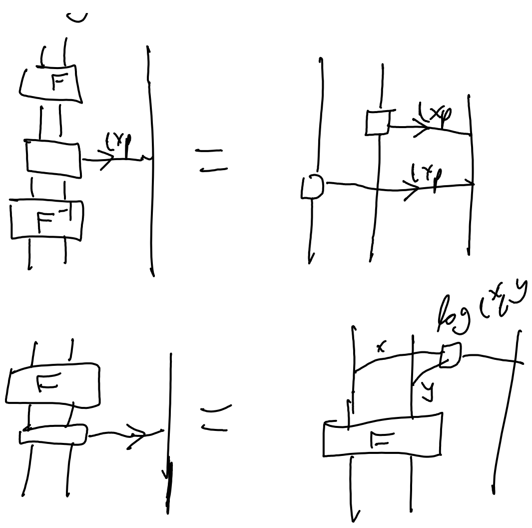
Only  is present, and its back legs commute along a skeleton line.

Also, 

0 if A&B belong to the same component.

F: $x+y \mapsto \log e^x e^y$ in $\vec{A}^{cc}$:





Question: Do wheels as below vanish?