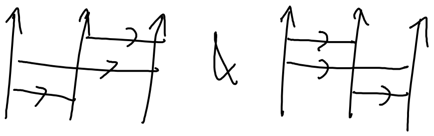
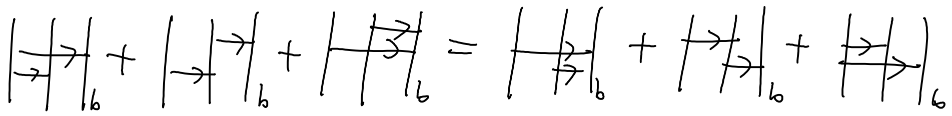
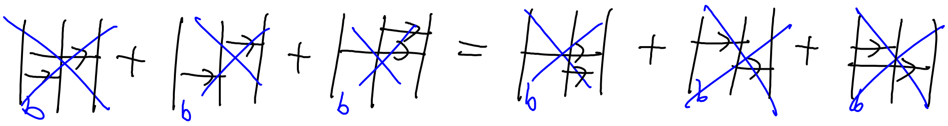
Ceiling mounted bottom dwellers

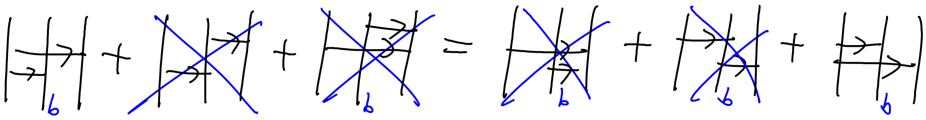
September-26-10
6:50 PM

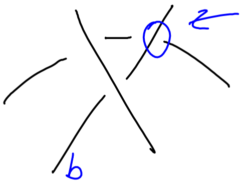
Question what are $U(\mathfrak{g}_+)$ & $\mathcal{U}(\mathfrak{g}_-)$ in $\mathcal{A}^v$-language?

6T: 

 ok

 ok.

 T=0 on strand 2 implies some TC

 ← may be virtualized.

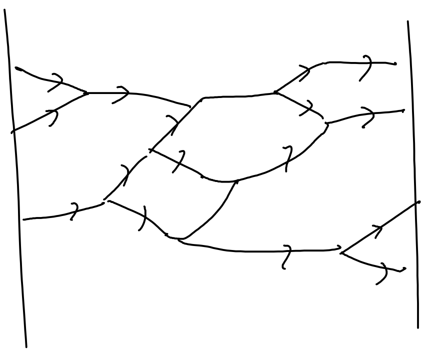
clear.

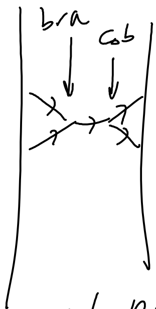
$\Longrightarrow$ "bottom" strands should be interpreted in the "strict" sense - the always lie on the bottom, not that where they rise, they can be virtualized.

Question Is there a global version to $M_- \cong U(\mathfrak{g}_+)$?

To $U(\mathfrak{g}) \cong U(\mathfrak{g}_+) \otimes U(\mathfrak{g}_-)$?

Is there any difference between "acyclic $U(\mathfrak{g}_+) \otimes U(\mathfrak{g}_-)$" and R/G-tangles?





Not R/G yet acyclic.

R/G has the additional property "all cobs come before all bras".

Question Is there an acyclic diagrammatic context in which $\mathcal{U}(g) = \mathcal{U}(y_+) \otimes \mathcal{U}(g_-)$?