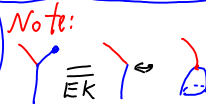
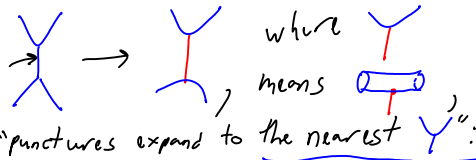
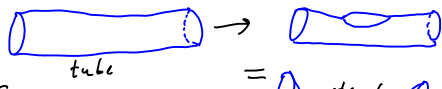


From 2010-06/Montpellier:

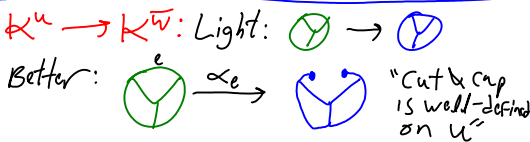
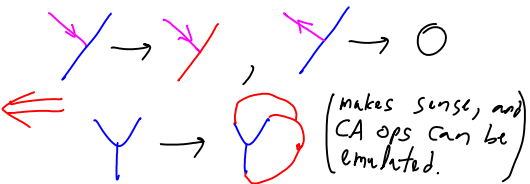
Introduce "punctures".



K^w : Allow tubes & strands & tube-strand vertices as above, but allow only compact knots - nothing runs to ∞ .

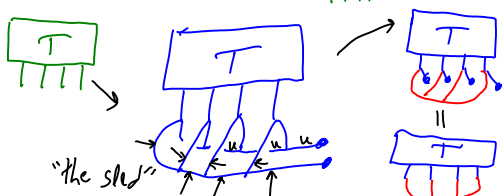
$K^w \leftrightarrow K^w$. Claim K^w has a homomorphic expansion iff K^w has a homomorphic expansion.

\Rightarrow Puncture A & Z :

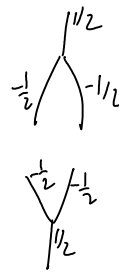


Theorem. The generators of K^w can be written in terms of the generators of K^u (i.e., given \mathcal{D} , can write a formula for V).

Sketch: \rightarrow , \rightarrow ,
So enough to write any T . Here go:



Goal: Dot This right.



should be relevant.
"upsilon vertices"