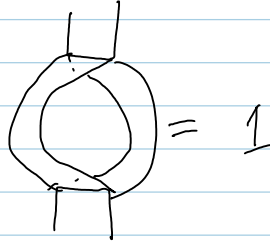
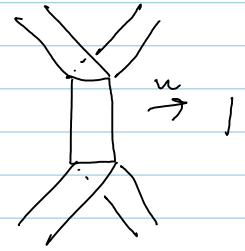


Equations are certainly interpretations are speculative.

Bob? $V^{-1}V = I$



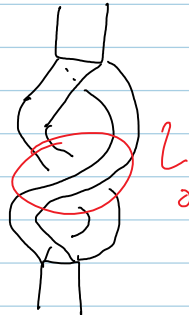
$V \cdot V^{-1} = I$



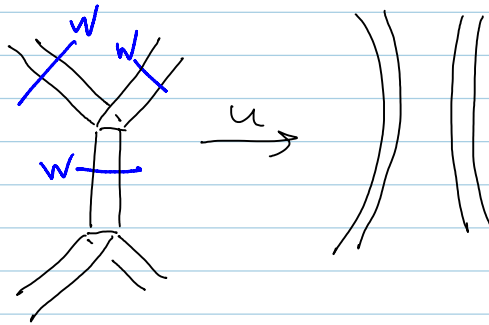
Twist. $V \cdot \oplus = R_{12} V^{21}$

or $\oplus = V^{-1} R_{12} V^{21}$

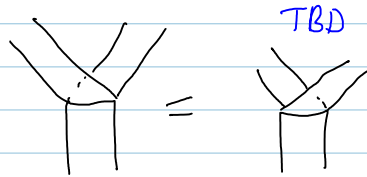
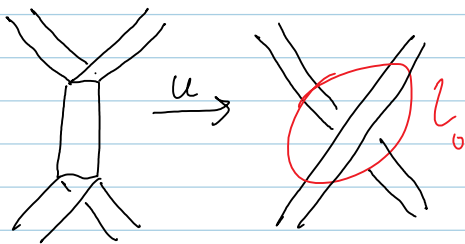
or $V^{21} = R_{12}^{-1} V \oplus$



Unitarity. $V \cdot V^* = I$



Flip. $V \cdot S(V) = R_{12}$, so $V^{-1} = S(V) R_{12}^{-1}$ and $S(V) = V^{-1} R_{12}$



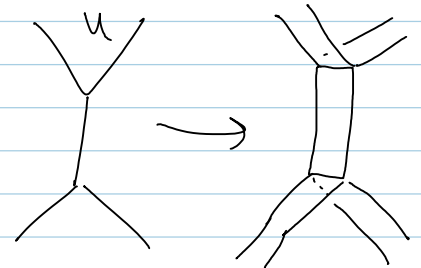
Φ

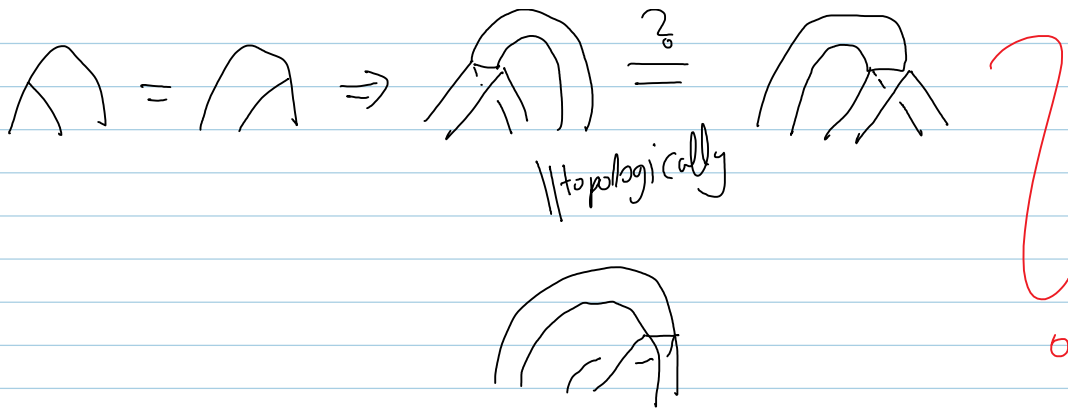
$\Phi =$

$V^{-12,3} V^{-12} V^{23} V^{1123}$



unzip.





Also, how do w -framings come in?

More precisely, how do framings interact with vertices and unzips?

$$S(V^2) = S(R_{12}^{-1} V \oplus) = \oplus S(V) R_{12}^{-1} = \oplus V^{-1} R_{12} R_{12}^{-1} = \oplus V^{-1}$$