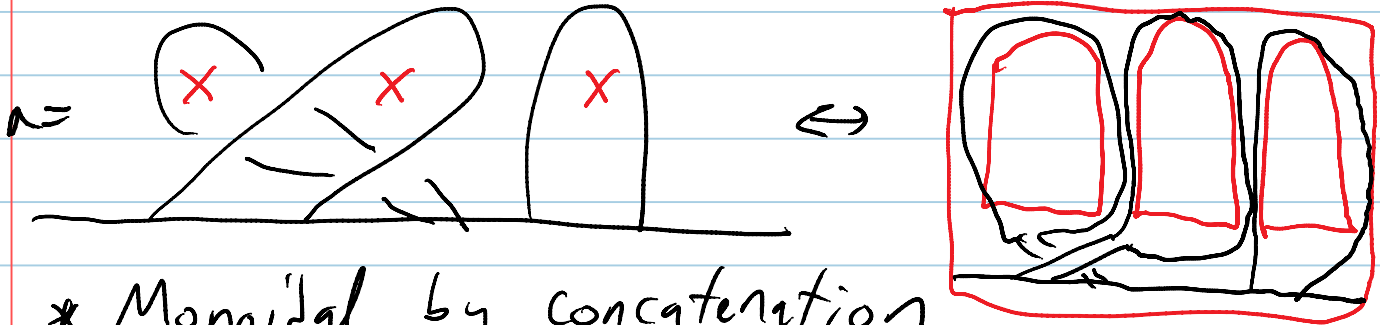


Reading Asaeda

June-27-11
7:00 PM

Knotted Bouquets:



* Monoidal by concatenation.

* $a \circ b =$ place a in a ribbon-neighborhood of b .



• $\mathcal{F}(I) = \text{[Diagram of a square with a circle inside]} \in \text{Hom}(1,1)$

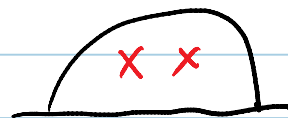


• $\mathcal{F}(\eta) = \text{[Diagram of a loop with a smaller loop inside]} \in \text{Hom}(0,1)$



$\eta \otimes 1 = \text{[Diagram of two loops, one with a red 'X' mark]}$

• $\mathcal{F}(\mu) = \text{[Diagram of a loop with two internal loops]} \in \text{Hom}(2,1)$



$\mu \circ (\eta \otimes 1) = \text{[Diagram of a loop with a red 'X' mark]}$

• $\mathcal{F}(\varepsilon) = \text{[Diagram of a loop with a smaller loop inside]} \in \text{Hom}(1,0)$

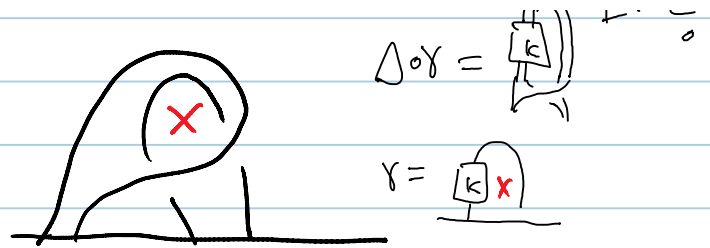








$\Delta \circ \gamma = \text{[Diagram of a loop with a red 'X' mark]} \text{ EK?}$

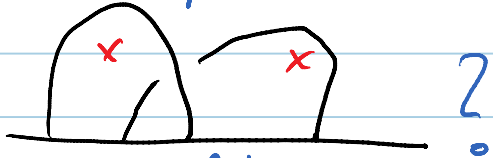
- $\Delta = \text{[diagram of a cup with two strands crossing]} \in \text{Hom}(1, 2)$

- $\mathcal{F}(S) = \text{[diagram of a cup with a strand crossing and a loop]} \in \text{Hom}(1, 1)$

- $\mathcal{F}(S^{-1}) = \text{[diagram of a cup with a strand crossing and a loop]} \in \text{Hom}(1, 1)$



- $\mathcal{F}(c) =$  $\in \text{Hom}(0, 2)$
- $\mathcal{F}(v) =$  $\in \text{Hom}(0, 1)$
- $\mathcal{F}(v_-) =$  $\in \text{Hom}(0, 1)$
- $\mathcal{F}(d) =$  $\in \text{Hom}(2, 0)$
- $\mathcal{F}(\psi) =$  $\in \text{Hom}(2, 2)$
- $\mathcal{F}(\psi^{-1}) =$  $\in \text{Hom}(2, 2)$.

} The exception - is it

 (or related L_0) ?

What's proj of that?