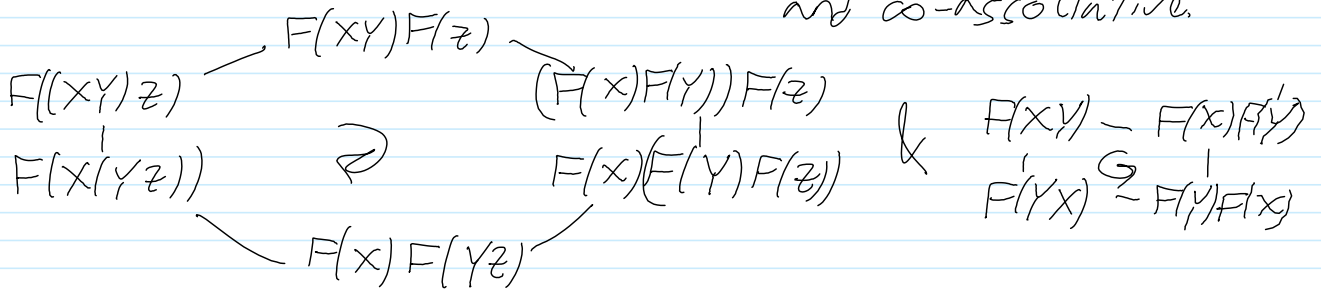


Enriquez: $y, y^* \in \mathcal{A}$ $\mathcal{D}: U(\mathcal{A})\text{-mod}$, $\mathcal{D}^\Phi: U(\mathcal{A})\text{-Mod}^\Phi$
 $M = U(\mathcal{A})/U(\mathcal{A})y^*$ co-commutative & co-associative in both \mathcal{D} & \mathcal{D}^Φ

$F: \mathcal{D} \rightarrow \text{Vect}$ $F(x) = X_y = X/yX$

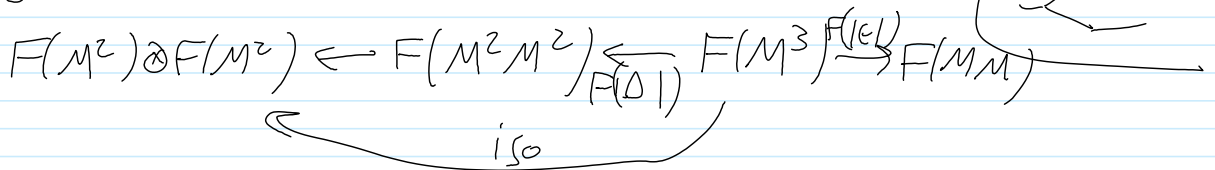
$F(X \otimes Y) \rightarrow F(X) \otimes F(Y)$ "obvious"

F takes M to $F(M)$, which is also co-commutative and co-associative.



$M \otimes M$ is a co-algebra, non-co-commutative by

$U_{\hbar}(y) = F(M \otimes M)$



Associativity follows from a big diagram