

Monoid-Graded Monoids in \mathcal{C}

$$(E, 0, +)$$

$$\eta : T \rightarrow M_0$$

$$M : E \rightarrow \mathcal{C}$$

$$\mu_{e_1, e_2} : M_{e_1} \otimes M_{e_2} \rightarrow M_{e_1 + e_2}$$

Monoid-Graded Monoids in \mathcal{C}

$$(E, 0, +)$$

$$\eta : T \rightarrow M_0$$

$$M : E \rightarrow \mathcal{C} \quad \mu_{e_1, e_2} : M_{e_1} \otimes M_{e_2} \rightarrow M_{e_1 + e_2}$$

Commutative-additive monoid