

Monoid-Graded Monoids in \mathcal{C}

$(E, 0, +)$

$$\eta : T \rightarrow M_0$$

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

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

E-indexed family of objects in \mathcal{C}

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A monoidal unit