## Monoid-Graded Monoids in 8



$$(\mathsf{E},0,+) \qquad \eta: \mathsf{T} \to M_0$$
 
$$M: \mathsf{E} \to \mathscr{C} \qquad \mu_{e_1,e_2}: M_{e_1} \otimes M_{e_2} \to M_{e_1+e_2}$$

E-indexed family of objects in  $\mathscr C$ 

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A monoidal unit