Monoid-Graded Monoids in 8



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

A monoidal unit

Monoid-Graded Monoids in 8



$$(\mathsf{E},0,+) \qquad \eta:\mathsf{T}\to M_0$$

$$M:\mathsf{E}\to\mathscr{C} \qquad \left[\mu_{e_1,e_2}:M_{e_1}\otimes M_{e_2}\to M_{e_1+e_2}\right]$$

A monoidal multiplication