Monoids in 8

$$M:1 o\mathscr{C}$$

$$\eta: \mathsf{T} \to M$$

$$\mu: M \otimes M \rightarrow M$$

Monoid-Graded Monoids in 8



$$(E,0,+)$$

$$(E,0,+)$$
 $\eta:T\to M_0$

$$M:\mathsf{E} o\mathscr{C}$$

$$M : E \to \mathscr{C}$$
 $\mu_{e_1,e_2} : M_{e_1} \otimes M_{e_2} \to M_{e_1+e_2}$