Monoid-Graded Monads

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

$$M: \mathsf{E} \to [\mathscr{C},\mathscr{C}] \ \mu_{e_1,e_2}: M_{e_1} \circ M_{e_2} \to M_{e_1+e_2}$$

Graded Monads

 $(\mathsf{E},\mathsf{T},\otimes)$ $\eta:\mathsf{Id} o M_\mathsf{T}$

 $M: \mathsf{E} \to [\mathscr{C},\mathscr{C}] \ \mu_{e_1,e_2}: M_{e_1} \circ M_{e_2} \to M_{e_1 \otimes e_2}$

