$$M(X) \xrightarrow{\operatorname{id}_{M}} (M \, ; M)(X) \qquad M(X) \xrightarrow{\operatorname{Mun}_{X}} (M \, ; M)(X)$$

$$\downarrow \operatorname{mu}_{X} \qquad \qquad \downarrow \operatorname{mu}_{X}$$

$$M(X) \qquad \operatorname{id}_{M} \qquad \operatorname{mu}_{X}$$