

$$\begin{array}{ccc}
 M(X) & \xrightarrow{\text{un}_M X} & (M \circ M)(X) \\
 & \searrow \text{Id}_M & \downarrow \text{mu}_X \\
 & & M(X)
 \end{array}$$

$$\begin{array}{ccc}
 M(X) & \xrightarrow{M \text{un}_X} & (M \circ M)(X) \\
 & \searrow \text{Id}_M & \downarrow \text{mu}_X \\
 & & M(X)
 \end{array}$$