

$$\begin{array}{ccc}
 M & \xRightarrow{\text{un}M} & M ; M \\
 \searrow & & \downarrow \text{mu} \\
 \text{id}_M & & M
 \end{array}$$

$$\begin{array}{ccc}
 M & \xRightarrow{M\text{un}} & M ; M \\
 \searrow & & \downarrow \text{mu} \\
 \text{id}_M & & M
 \end{array}$$