$$M \xrightarrow{\ \text{un}M\ } M \mathbin{\overset{\circ}{,}} M \xLeftarrow{\text{mu}} M$$

$$M \xrightarrow{\ M\text{un}\ } M \mathbin{\overset{\circ}{,}} M \xLeftarrow{\text{mu}} M$$

Left diagram: $M \xrightarrow{\text{un}M} M \mathbin{\overset{\circ}{,}} M$, mu down to M, with id_M from M to M.

Right diagram: $M \xrightarrow{M\text{un}} M \mathbin{\overset{\circ}{,}} M$, mu down to M, with id_M from M to M.