

$$\begin{array}{ccccc}
 TA & \xrightarrow{T(\eta_A)} & T(TA) & \xleftarrow{\eta_{TA}} & TA \\
 & \searrow \text{id} & \downarrow \mu_A & \swarrow \text{id} & \\
 & & TA & &
 \end{array}$$