

$$\begin{array}{ccccc}
M \otimes (M \otimes M) & \xrightarrow{\alpha} & (M \otimes M) \otimes M & \xrightarrow{\mu \otimes 1_M} & M \otimes M \\
\downarrow 1 \otimes \mu & & & & \downarrow \mu \\
M \otimes M & \xrightarrow{\hspace{10em} \mu \hspace{10em}} & & & M \\
I \otimes M & \xrightarrow{\eta \otimes 1_M} & M \otimes M & \xleftarrow{1_M \otimes \eta} & M \otimes I \\
& \searrow \lambda_M & \downarrow \mu & \swarrow \rho_M & \\
& & M & & 
\end{array}$$