

$$\begin{array}{ccc}
 I \otimes X_n & \xrightarrow{\eta \otimes 1_{X_n}} & X_1 \otimes X_n \\
 & \searrow \lambda & \downarrow \mu_n \\
 & & X_n
 \end{array}$$

$$\begin{array}{ccc}
 X_n \otimes I^{\otimes n} & \xrightarrow{1_{X_n} \otimes \eta^{\otimes n}} & X_n \otimes X_1^{\otimes n} \\
 & \searrow \rho^{\otimes n} & \downarrow \mu \\
 & & X_n
 \end{array}$$