

$$\begin{array}{ccc}
I_{\mathbf{D}} \otimes_{\mathbf{D}} F(x) & \xrightarrow{\epsilon \otimes \text{id}} & F(I_{\mathbf{C}}) \otimes_{\mathbf{D}} F(x) \\
\downarrow & & \downarrow \\
F(x) & \xleftarrow{F(l_x^{\mathbf{C}})} & F(I_{\mathbf{C}} \otimes_{\mathbf{C}} x)
\end{array}
\qquad
\begin{array}{ccc}
F(x) \otimes_{\mathbf{D}} I_{\mathbf{D}} & \xrightarrow{\text{id} \otimes \epsilon} & F(x) \otimes_{\mathbf{D}} F(I_{\mathbf{C}}) \\
\downarrow & & \downarrow \\
F(x) & \xleftarrow{F(r_x^{\mathbf{C}})} & F(x \otimes_{\mathbf{C}} I_{\mathbf{C}})
\end{array}$$