

$$\begin{array}{ccc}
 \mathbf{1}_{\mathbf{D}} \otimes_{\mathbf{D}} F(x) & \xrightarrow{\epsilon \otimes \mathbf{1}} & F(\mathbf{1}_{\mathbf{C}}) \otimes_{\mathbf{D}} F(x) \\
 \downarrow & & \downarrow \\
 F(x) & \xleftarrow{F(\text{lu}_x^{\mathbf{C}})} & F(\mathbf{1}_{\mathbf{C}} \otimes_{\mathbf{C}} x)
 \end{array}
 \qquad
 \begin{array}{ccc}
 F(x) \otimes_{\mathbf{D}} \mathbf{1}_{\mathbf{D}} & \xrightarrow{\mathbf{1} \otimes \epsilon} & F(x) \otimes_{\mathbf{D}} F(\mathbf{1}_{\mathbf{C}}) \\
 \downarrow & & \downarrow \\
 F(x) & \xleftarrow{F(\text{ru}_x^{\mathbf{C}})} & F(x \otimes_{\mathbf{C}} \mathbf{1}_{\mathbf{C}})
 \end{array}$$