

$$I_{\mathbf{D}} \otimes_{\mathbf{D}} F(x) \xrightarrow{\epsilon \otimes \text{id}} F(I_{\mathbf{C}}) \otimes_{\mathbf{D}} F(x)$$

$$F(x) \otimes_{\mathbf{D}} I_{\mathbf{D}} \xrightarrow{\text{id} \otimes \epsilon} F(x) \otimes_{\mathbf{D}} F(I_{\mathbf{C}})$$

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$$F(x) \xleftarrow{F(I_x^{\mathbf{C}})} F(I_{\mathbf{C}} \otimes_{\mathbf{C}} x)$$

$$F(x) \xleftarrow{F(r_x^{\mathbf{C}})} F(x \otimes_{\mathbf{C}} I_{\mathbf{C}})$$