

$$\begin{array}{ccc}
 E(X, Y) \otimes E(Y, Y) & \xrightarrow{\text{co}_{X, Y, Y}} & E(X, Y) \xleftarrow{\text{co}_{X, X, Y}} E(X, X) \otimes E(X, Y) \\
 \text{id}_{E(X, Y)} \otimes \text{ic}_Y \uparrow & \nearrow \text{ru} & \nwarrow \text{lu} \uparrow \text{ic}_X \otimes \text{id}_{E(X, Y)} \\
 E(X, Y) \otimes 1 & & 1 \otimes E(X, Y)
 \end{array}$$