

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