

$$\begin{array}{ccccc}
 E(X, Y) \otimes E(Y, Y) & \xrightarrow{ei_{X, Y, Y}} & E(X, Y) & \xleftarrow{ei_{X, X, Y}} & E(X, X) \otimes E(X, Y) \\
 \text{id}_{E(X, Y)} \otimes em_Y \uparrow & & \nearrow ru & & \nwarrow lu & \uparrow em_X \otimes \text{id}_{E(X, Y)} \\
 E(X, Y) \otimes 1 & & & & & 1 \otimes E(X, Y)
 \end{array}$$