$$\begin{array}{c} \operatorname{eo}_{X,Y} \otimes \operatorname{eo}_{Y,Y} \stackrel{\operatorname{ei}_{X,Y,Y}}{\longrightarrow} \operatorname{eo}_{X,Y} \stackrel{\operatorname{ei}_{X,X,Y}}{\longrightarrow} \operatorname{eo}_{X,X} \otimes \operatorname{eo}_{X,Y} \\ \operatorname{id}_{\operatorname{eo}_{X,Y}} \otimes \operatorname{em}_{Y} \uparrow & \operatorname{lu} & \operatorname{lu} & \operatorname{eo}_{X,Y} \\ \operatorname{eo}_{X,Y} \otimes \operatorname{1} & \operatorname{1} \otimes \operatorname{eo}_{X,Y} \end{array}$$