$$\mathbf{E}(X,Y) \otimes (\mathbf{E}(Y,Z) \otimes \mathbf{E}(Z,U)) \xrightarrow{\text{as}} (\mathbf{E}(X,Y) \otimes \mathbf{E}(Y,Z)) \otimes \mathbf{E}(Z,U)$$

$$\text{id}_{\mathbf{E}(X,Y)} \otimes \text{co}_{Y,Z,U} \downarrow \qquad\qquad \downarrow \text{co}_{X,Y,Z} \otimes \text{id}_{\mathbf{E}(Z,U)}$$

$$\mathbf{E}(X,Y) \otimes \mathbf{E}(Y,U) \xrightarrow{\text{co}_{X,Y,U}} \mathbf{E}(X,U) \xleftarrow{\text{co}_{X,Z,U}} \mathbf{E}(X,Z) \otimes \mathbf{E}(Z,U)$$