

$$\begin{array}{ccc}
 X \otimes (1 \otimes Y) & \xrightarrow{\alpha_{X,1,Y}} & X \otimes 1 \otimes Y \\
 & \searrow \text{id}_X \otimes \phi_Y & \swarrow r_X \otimes \text{id}_Y \\
 & X \otimes Y &
 \end{array}$$