

$$\begin{array}{ccccc}
 (c \otimes d) \otimes e & \xrightarrow{\sigma_{c,d} \otimes \text{id}_e} & (d \otimes c) \otimes e & \xrightarrow{\alpha_{d,c,e}} & d \otimes (c \otimes e) \\
 \downarrow \alpha_{c,d,e} & & & & \downarrow \text{id}_d \otimes \sigma_{c,e} \\
 c \otimes (d \otimes e) & \xrightarrow{\sigma_{c,d \otimes e}} & (d \otimes e) \otimes c & \xrightarrow{\alpha_{d,e,c}} & d \otimes (e \otimes c)
 \end{array}$$