

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