

$$\begin{array}{ccc}
 & \left((w \otimes x) \otimes y \right) \otimes z & \xrightarrow{\alpha_{w,z,y} \otimes \text{id}_z} \\
 \swarrow \alpha_{w \otimes x, y, z} & & \left(w \otimes (x \otimes y) \right) \otimes z \\
 (w \otimes x) \otimes (y \otimes z) & & \downarrow \alpha_{w, x \otimes y, z} \\
 & & w \otimes \left((x \otimes y) \otimes z \right) \\
 \searrow \alpha_{w, x, y} \otimes z & & \swarrow \text{id}_w \otimes \alpha_{x, y, z} \\
 & w \otimes \left(x \otimes (y \otimes z) \right) &
 \end{array}$$