

$$\begin{array}{ccccc}
& u \otimes (x_0 \otimes v) & \xrightarrow{\alpha_{u,x_0,v}} & (u \otimes x_0) \otimes v & \\
& \searrow & & \swarrow & \\
& 1_u \otimes \lambda_v & & \rho_u \otimes 1_v & \\
& & u \otimes v & & \\
\\
u \otimes (v \otimes (w \otimes z)) & \xrightarrow{\alpha_{u,v,w \otimes z}} & (u \otimes v) \otimes (w \otimes z) & \xrightarrow{\alpha_{u \otimes v,w,z}} & ((u \otimes v) \otimes w) \otimes z \\
\downarrow 1_u \otimes \alpha_{v,w,z} & & & & \uparrow \alpha_{u,v,w} \otimes 1_z \\
u \otimes ((v \otimes w) \otimes z) & \xrightarrow{\alpha_{u,v \otimes w,z}} & & & (u \otimes (v \otimes w)) \otimes z
\end{array}$$