

$$\begin{array}{ccc}
 & u_A \otimes (s_A \otimes t_A) & \\
 \alpha_{u_A, s_A, t_A} \swarrow & & \searrow \tau \otimes (1_{s_A} \otimes 1_{t_A}) \\
 (u_A \otimes s_A) \otimes t_A & & u'_A \otimes (s_A \otimes t_A) \\
 (\tau \otimes 1_{s_A}) \otimes 1_{t_A} \searrow & & \swarrow \alpha_{u'_A, s_A, t_A} \\
 & (u'_A \otimes s_A) \otimes t_A &
 \end{array}$$