

$$\begin{array}{ccc}
 & I \otimes (s_A \otimes t_A) & \\
 \alpha_{I, s_A, t_A} \swarrow & & \searrow \lambda_{s_A \otimes t_A} \\
 (I \otimes s_A) \otimes t_A & \xrightarrow{\lambda_{s_A} \otimes 1_{t_A}} & s_A \otimes t_A
 \end{array}$$