

$$\begin{array}{ccc}
 & (u \otimes (s \otimes (p \otimes q)))_A & \\
 (\alpha_{u,s,p \otimes q})_A \swarrow & & \searrow (1_u \otimes \alpha_{s,p,q})_A \\
 ((u \otimes s) \otimes (p \otimes q))_A & & (u \otimes ((s \otimes p) \otimes q))_A \\
 \downarrow (\alpha_{u \otimes s,p,q})_A & & \downarrow (\alpha_{u,s \otimes p,q})_A \\
 (((u \otimes s) \otimes p) \otimes q)_A & \xleftarrow{(\alpha_{u,s,p} \otimes 1_q)_A} & ((u \otimes (s \otimes p)) \otimes q)_A
 \end{array}$$