

$$\begin{array}{ccccccc}
Y & \xrightarrow{\textcolor{teal}{ru}_Y^{-1}} & Y \otimes \textcolor{red}{1} & \xrightarrow{\textcolor{blue}{id}_Y \otimes \textcolor{blue}{coev}_X} & Y \otimes (X \otimes X^v) & \xrightarrow{\textcolor{teal}{as}^{-1}} & (Y \otimes X) \otimes X^v \xrightarrow{\textcolor{blue}{f} \otimes \textcolor{blue}{id}_{X^v}} (Z \otimes X) \otimes X^v \\
& & & & & & \\
& & \xrightarrow{\textcolor{teal}{as}} & Z \otimes (X \otimes X^v) & \xrightarrow{\textcolor{blue}{id}_Z \otimes \textcolor{teal}{br}} & Z \otimes (X^v \otimes X) & \xrightarrow{\textcolor{blue}{id}_Z \otimes \textcolor{blue}{ev}_X} Z \otimes \textcolor{red}{1} \xrightarrow{\textcolor{teal}{ru}_Z} Z
\end{array}$$