

$$\begin{array}{ccccccc}
QY & \xrightarrow{Q\lambda} & QE & \xrightarrow{Q\kappa} & (QX)[1] & \xrightarrow{\ell(f_*\delta_X)} & (QY)[1] \\
\parallel & & \downarrow Qn & & \downarrow -\ell(\delta_X) & & \parallel \\
QY & \xrightarrow{Qg} & QZ & \xrightarrow{\ell(\eta)} & (QX)[1] & \xrightarrow{-f[1]} & (QY)[1]
\end{array}$$