

$$\begin{array}{ccccccc}
 X & \xrightarrow{f} & Y & \xrightarrow{g} & Z & \xrightarrow{\delta} & \\
 \downarrow & & \downarrow \scriptstyle g & & \parallel & & \\
 0 & \longrightarrow & Z & \xlongequal{\quad} & Z & \xrightarrow{0} & \\
 \downarrow & & \downarrow \scriptstyle \lambda & & & & \\
 X[1] & \xlongequal{\quad} & X[1] & & & & \\
 \downarrow \scriptstyle 1_{X[1]} & & \downarrow \scriptstyle f_* 1_{X[1]} & & & & 
 \end{array}$$