

$$\begin{array}{ccccccc}
X & \xrightarrow{f} & Y & \xrightarrow{g} & Z & \xrightarrow{\eta} & \\
\downarrow v_X & & \downarrow & & \parallel & & \\
V_X & \longrightarrow & E & \xrightarrow[\scriptstyle s]{\text{TFib}} & Z & \longrightarrow & \\
\downarrow u_X & & \downarrow -a & & & & \\
U_X & \xlongequal{\quad} & U_X & & & & \\
\downarrow \delta_X & & \downarrow & & & &
\end{array}$$