

$$\begin{array}{ccccccc}
 X & \xrightarrow[\textcolor{blue}{i}]{\text{TCofib}} & \textcolor{blue}{Y} & \longrightarrow & S & \longrightarrow & \\
 \parallel & & \downarrow \textcolor{blue}{\text{Cofib}} & & \downarrow & & \\
 \textcolor{red}{X} & \xrightarrow{\textcolor{red}{}} & V_Y & \xrightarrow{\textcolor{red}{}} & \textcolor{red}{E} & \xrightarrow{\textcolor{red}{\delta_X}} & \\
 & & \downarrow & & \downarrow \lambda & & \\
 & & \downarrow \textcolor{blue}{\delta_Y} & \text{=} & \downarrow & &
 \end{array}$$

$$\begin{array}{ccccccc}
 \textcolor{red}{X} & \xrightarrow{\textcolor{red}{}} & V_Y & \xrightarrow{\textcolor{red}{}} & \textcolor{red}{E} & \xrightarrow{\textcolor{red}{\delta_X}} & \\
 \downarrow i & & \parallel 1_{V_Y} & & \downarrow \lambda & & \\
 \textcolor{blue}{Y} & \xrightarrow{\textcolor{blue}{}} & V_Y & \xrightarrow{\textcolor{blue}{}} & \downarrow & \xrightarrow{\textcolor{blue}{\delta_Y}} &
 \end{array}$$