$$\begin{array}{ccc}
X & \xrightarrow{\varphi_S} & Z & \xrightarrow{\psi_S} & V \\
f \downarrow & & \downarrow g & \downarrow h \\
Y & \xrightarrow{\varphi_t} & U & \xrightarrow{\psi_t} & W
\end{array}$$