

$$\begin{array}{ccccc}
X & \xrightarrow{l_C} & V_X & \longrightarrow & U_X \\
\parallel & & \downarrow \exists ! \varphi & & \\
X & \xrightarrow{l'_C} & V'_X & \longrightarrow & U'_X \\
\parallel & & \downarrow \exists ! \psi & & \\
X & \xrightarrow{l_C} & V_X & \longrightarrow & U_X
\end{array}$$