

$$\begin{array}{ccccc}
& & Z^V & \xlongequal{\quad} & Z^V \\
& & \downarrow & & \downarrow \\
X & \dashrightarrow & E & \longrightarrow & Z^U \\
\parallel & & \downarrow & & \downarrow \\
X & \xrightarrow{\begin{pmatrix} i \\ f \end{pmatrix}} & X_V \oplus Y & \longrightarrow & Z \\
& & \downarrow (0,1) & & \\
& & Y & &
\end{array}$$