

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