

$$\begin{array}{ccccc}
 A \oplus A & \xrightarrow{(f,g)} & X & \xrightarrow[p]{\text{TFib}} & Y \\
 \downarrow (1,1) & \searrow (\partial_0, \partial_1) \text{ Cofib} & \nearrow & & \uparrow h \\
 A & \xleftarrow[\sigma]{\text{Weq}} & \tilde{A} & &
 \end{array}$$

