

$$\begin{array}{ccccc}
 V_1 & \dashrightarrow & V_2 & \dashrightarrow & ? \\
 \downarrow & & \downarrow & & \parallel \\
 \bullet & \xrightarrow[f]{\text{Cof}} & \bullet & \longrightarrow & ? \\
 \text{TFib} \downarrow gf & & g \downarrow \text{TFib} & & \\
 \bullet & \xlongequal{\quad} & \bullet & &
 \end{array}$$