



$$\begin{array}{ccc}
 & \begin{array}{c} Y \\ \downarrow \end{array} & \\
 \text{Cone} \left[ \begin{array}{c} X \xrightarrow{f} Y \end{array} \right] & \xrightarrow{\text{PBPO}} & \text{Cone} \left[ \begin{array}{c} X \xrightarrow{g \circ f} Z \end{array} \right] \\
 & \begin{array}{c} Z \\ \downarrow \end{array} &
 \end{array}$$

