$$\begin{array}{c} I = \longrightarrow I \\ \downarrow \binom{0}{1} & \downarrow \\ X \xrightarrow{\binom{f}{i}} Y \oplus I \xrightarrow{g^{\prime\prime}} Z^{\prime\prime} \xrightarrow{\delta^{\prime\prime}} \\ \downarrow \downarrow (1,0) & \downarrow \\ X \longrightarrow Y \xrightarrow{g} Z \xrightarrow{\delta} \end{array}$$