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