

$$\begin{array}{ccccccc}
 & \longrightarrow & C_2 & \xrightarrow{d_2} & C_1 & \xrightarrow{d_1} & C_0 \longrightarrow \\
 & & \downarrow f_2 & & \downarrow f_1 & & \downarrow f_0 \\
 \dots & & C'_2 & \xrightarrow{d'_2} & C'_1 & \xrightarrow{d'_1} & C'_0 \longrightarrow \dots
 \end{array}$$