

$$\begin{array}{ccccccc}
 & & \downarrow & & \downarrow & & \downarrow & & \downarrow \\
 \cdots & \longrightarrow & C_2 \otimes C'_2 & \xrightarrow{d_2 \otimes I} & C_1 \otimes C'_2 & \xrightarrow{d_1 \otimes I} & C_0 \otimes C'_2 & & C'_2 \\
 & & \downarrow I \otimes d'_2 & & \downarrow I \otimes d'_2 & & \downarrow I \otimes d'_2 & & \downarrow d'_2 \\
 \cdots & \longrightarrow & C_2 \otimes C'_1 & \xrightarrow{d_2 \otimes I} & C_1 \otimes C'_1 & \xrightarrow{d_1 \otimes I} & C_0 \otimes C'_1 & & C'_1 \\
 & & \downarrow I \otimes d'_1 & & \downarrow I \otimes d'_1 & & \downarrow I \otimes d'_1 & & \downarrow d'_1 \\
 \cdots & \longrightarrow & C_2 \otimes C'_0 & \xrightarrow{d_2 \otimes I} & C_1 \otimes C'_0 & \xrightarrow{d_1 \otimes I} & C_0 \otimes C'_0 & & C'_0 \\
 & & & & & & & & \\
 \cdots & \longrightarrow & C_2 & \xrightarrow{d_2} & C_1 & \xrightarrow{d_1} & C_0 & &
 \end{array}$$