

$$\begin{array}{ccccccc}
 \cdots & \longrightarrow & \bigoplus \operatorname{Hom}(C, Y_i) & \longrightarrow & \bigoplus \operatorname{Hom}(X', Y_i) & \longrightarrow & \bigoplus \operatorname{Hom}(X, Y_i) \longrightarrow \cdots \\
 & & \downarrow & & \downarrow & & \downarrow \\
 \cdots & \longrightarrow & \operatorname{Hom}(C, \bigoplus Y_i) & \longrightarrow & \operatorname{Hom}(X', \bigoplus Y_i) & \longrightarrow & \operatorname{Hom}(X, \bigoplus Y_i) \longrightarrow \cdots
 \end{array}$$