

$$\begin{array}{ccccccc}
 0 & \longrightarrow & K \otimes \Pi N_{\bullet} & \longrightarrow & M \otimes \Pi N_{\bullet} & \longrightarrow & C \otimes \Pi N_{\bullet} \longrightarrow 0 \\
 & & \downarrow \alpha & & \downarrow \beta & & \downarrow \gamma \\
 0 & \longrightarrow & \Pi(K \otimes N_{\bullet}) & \longrightarrow & \Pi(M \otimes N_{\bullet}) & \longrightarrow & \Pi(C \otimes N_{\bullet})
 \end{array}$$