

$$\begin{array}{ccccccc}
 0 & \longrightarrow & \varinjlim Q_{\bullet} & \longrightarrow & \varinjlim (P_{\bullet} \oplus Q_{\bullet}) & \longrightarrow & \varinjlim P_{\bullet} \longrightarrow 0 \\
 & & \downarrow & & \downarrow q & & \parallel \\
 0 & \longrightarrow & \ker \pi & \longrightarrow & P & \xrightarrow{\pi} & F \longrightarrow 0
 \end{array}$$