

$$\begin{array}{c}
 P_i \xrightarrow{f_i} \varinjlim^{fil} P_\bullet \xlongequal{\sim} F \\
 \uparrow (1,0) \qquad \qquad \qquad \uparrow \\
 P_i \oplus Q_i \xrightarrow{g_i} \varinjlim^{fil} P_\bullet \oplus Q_\bullet \xrightarrow{q} P \\
 \uparrow \alpha_i \qquad \qquad \qquad \nearrow \alpha \\
 K \xrightarrow{\quad 0 \quad} P
 \end{array}
 \qquad
 \begin{array}{c}
 K \xrightarrow{(\alpha_i, 0)} P_i \oplus Q_i \xrightarrow{(1,0)} P_i \xrightarrow{f_i} F \\
 \searrow \alpha_i \qquad \qquad \qquad \downarrow q \circ g_i \\
 K \xrightarrow{\alpha} P \longrightarrow F
 \end{array}$$