$$\begin{array}{c}
\stackrel{i_X}{\longrightarrow} X \oplus K \xrightarrow{(p_X,0)} X' \\
\xrightarrow{\begin{pmatrix} i_Y \\ 0 \end{pmatrix}} & \stackrel{\begin{pmatrix} i_X \\ -l & 1 \end{pmatrix}}{\longrightarrow} F \oplus K \xrightarrow{(q_Y,-q_Yx)} Y'$$

X'

a'