

$$\begin{array}{ccc}
F(x) & \xrightarrow{F(\eta_{K_2\Gamma_1})} & F(K_2(\Gamma_1(x))) \\
\searrow (G(\alpha)\circ\psi)_x & & \nearrow (F(\beta)\circ\psi)_x \\
& G(\Gamma_2(x)) &
\end{array}$$