

$$\begin{array}{ccc}
 x & \xrightarrow{\eta_{K_2\Gamma_2}} & K_2(\Gamma_2(x)) \\
 \eta_{K_1\Gamma_1} \downarrow & & \uparrow K_2(\alpha_x) \\
 K_1(\Gamma_1(x)) & \xrightarrow{\beta_{\Gamma_1(x)}} & K_2(\Gamma_1(x))
 \end{array}$$