

$$\begin{array}{ccc}
 Fx & \xrightarrow{F\eta_x} & FGFx \\
 & \searrow \text{id}_{Fx} & \downarrow \epsilon_{Fx} \\
 & & Fx
 \end{array}$$

$$\begin{array}{ccc}
 Gy & \xrightarrow{\eta_{Gy}} & GFGy \\
 & \searrow \text{id}_{Gy} & \downarrow G\epsilon_y \\
 & & Gy
 \end{array}$$