$$A_{1} \stackrel{f_{A}}{\rightarrowtail} A_{2} \stackrel{g_{A}}{\longrightarrow} A_{3} \stackrel{\delta_{A}}{\longrightarrow}$$

$$\downarrow^{i_{2}} \qquad \downarrow^{i_{3}} \qquad \downarrow^{i_{3}} \qquad \downarrow^{g_{B}} \qquad B_{3} \stackrel{\delta_{B}}{\longrightarrow} \qquad \downarrow^{p_{2}} \qquad \downarrow^{p_{3}} \qquad \downarrow^{p_{2}} \qquad \downarrow^{p_{3}} \qquad \downarrow^{\varepsilon_{2}} \qquad \downarrow^{\varepsilon_{3}} \qquad \downarrow^{\varepsilon_{2}} \qquad \downarrow^{\varepsilon_{3}} \qquad \downarrow^{\varepsilon_{3}}$$