$$A_{2} \xrightarrow{\lambda} E \longrightarrow C_{1} \longrightarrow B_{1} \longrightarrow E \xrightarrow{\mu} A_{3} \xrightarrow{(i_{3})^{*} \delta_{2}}$$

$$\downarrow \psi \qquad \downarrow f_{C} \qquad \qquad \downarrow \psi \qquad \downarrow i_{3}$$

$$A_{2} \xrightarrow{i_{2}} B_{2} \xrightarrow{p_{2}} C_{2} \longrightarrow B_{1} \xrightarrow{f_{B}} B_{2} \xrightarrow{g_{B}} B_{3} \xrightarrow{\delta_{2}}$$

$$\downarrow \varphi \qquad \downarrow g_{C} \qquad \qquad \downarrow \varphi \qquad \downarrow p_{3}$$

$$C_{3} = C_{3} \qquad \qquad \downarrow \varphi \qquad \downarrow p_{3}$$

$$\downarrow \varphi \qquad \downarrow p_{3}$$

$$C_{3} = C_{3} \qquad \qquad \downarrow \varphi$$