$$M \xrightarrow{q} Q \qquad M \xrightarrow{j} X \longrightarrow C_{0}$$

$$\parallel \qquad \downarrow \qquad \qquad \downarrow \qquad \downarrow$$

$$M \xrightarrow{\tilde{p}} \tilde{P} \qquad M \xrightarrow{\tilde{i}} \tilde{F} \longrightarrow C_{2}$$

$$\parallel \qquad \downarrow \qquad \qquad \downarrow$$

$$M \xrightarrow{p} P \qquad M \xrightarrow{i} F \longrightarrow C_{3}$$