$$C_{1} \xrightarrow{f_{1}} D_{1}$$

$$F \downarrow \text{Cat} \quad \text{Cat} \downarrow G \qquad C_{1} \xrightarrow{f_{1}} D_{1}$$

$$C_{2} \xrightarrow{\text{Cat}} D_{2} \qquad F ; H \downarrow \text{Cat} \quad \text{Cat} \downarrow I ; G$$

$$H \downarrow \text{Cat} \quad \text{Cat} \downarrow I \qquad C_{3} \xrightarrow{\text{Cat}} D_{3}$$

$$C_{3} \xrightarrow{\text{Cat}} D_{3}$$