圏 
$$\mathcal{C}$$
:  $A$  圏  $\mathcal{D}$ :  $FA \longrightarrow GA$ 

$$f \downarrow \qquad \qquad Ff \downarrow \qquad \qquad Gf \downarrow \qquad \qquad GF \downarrow \qquad \qquad GF$$

$$B \qquad \qquad FB \longrightarrow GB$$