$$F(B) \qquad F(B) \xrightarrow{F(h)} F(B')$$
 Objects (B,C,f) :
$$\downarrow^f \qquad \text{Morphisms } (h,k) \qquad \downarrow^{f} \qquad \downarrow^{f'}$$

$$G(C) \qquad G(C) \xrightarrow{G(k)} G(C')$$