

$$\begin{array}{ccc}
 F(B) & & F' \circ F(B) \xrightarrow{\eta' F(B)} G' \circ F(B) \\
 \downarrow \eta(B) & & \downarrow F' \circ \eta(B) \qquad \qquad \downarrow G' \circ \eta(B) \\
 G(B) & & F' \circ G(B) \xrightarrow{\eta' G(B)} G' \circ G(B)
 \end{array}$$