

$$\begin{array}{ccccc}
 A & \xrightarrow{e_1} & A \oplus \bullet & \xrightarrow{p_2} & \bullet \\
 \parallel & & \downarrow \begin{pmatrix} f \\ s \end{pmatrix} & & \downarrow h \\
 A & \xrightarrow{f} & B & \xrightarrow{g} & C
 \end{array}$$