

$$\begin{array}{ccc}
 E & \xrightarrow{v_1} & A \\
 \downarrow v_3 & \searrow v_2 & \downarrow f \\
 B & \xrightarrow{g} & C
 \end{array}
 =
 \begin{array}{ccc}
 E & \xrightarrow{v_1} & A \\
 \downarrow v_3 & & \downarrow f \\
 B & \xrightarrow{g} & C
 \end{array}$$