

$$\begin{array}{ccccc}
 X & \xleftarrow{p} & Z & \xleftarrow{\text{id}} & Z \\
 f \downarrow & & \downarrow g & & \downarrow g \\
 Y & \xrightarrow{q} & U & \xrightarrow{\text{id}} & U
 \end{array}
 =
 \begin{array}{ccccc}
 X & \xleftarrow{p} & Z & & \\
 f \downarrow & & & & \downarrow g \\
 Y & \xrightarrow{q} & U & & 
 \end{array}$$