

$$\begin{array}{ccccc}
 X' & \xrightarrow{i_X} & X & \xrightarrow{p_X} & X' \\
 \downarrow a' & & & & \downarrow a' \\
 Y' & & & & Y' \\
 \downarrow c' & & & & \downarrow c' \\
 Z' & \xrightarrow{i_Z} & Z & \xrightarrow{p_Z} & Z'
 \end{array}$$

Commutative diagram showing a sequence of maps and objects. The top row consists of  $X' \xrightarrow{i_X} X \xrightarrow{p_X} X'$ . The bottom row consists of  $Z' \xrightarrow{i_Z} Z \xrightarrow{p_Z} Z'$ . The middle row consists of  $Y'$  in the center. Vertical arrows connect  $X'$  to  $Y'$  (labeled  $a'$ ),  $Y'$  to  $Z'$  (labeled  $c'$ ), and  $X'$  to  $Z'$  (labeled  $g'$ ). A curved arrow labeled  $g$  connects  $X$  to  $Z$ . Another curved arrow labeled  $g'$  connects  $X'$  to  $Z'$ .