

$$\begin{array}{ccccccc}
 adX' & \xrightarrow{f} & Y' & \longrightarrow & Z' & \longrightarrow & X'[1] \\
 \downarrow & & \downarrow & & \downarrow & & \downarrow \\
 X & \longrightarrow & Y & \longrightarrow & Z & \longrightarrow & X[1] \\
 \downarrow & & \downarrow & & \downarrow & & \downarrow \\
 X' & \longrightarrow & Y' & \longrightarrow & Z' & \longrightarrow & X'[1]
 \end{array}$$

The diagram illustrates a commutative structure with four rows of objects and arrows. The top row consists of  $adX' \xrightarrow{f} Y' \longrightarrow Z' \longrightarrow X'[1]$ . The second row consists of  $X \longrightarrow Y \longrightarrow Z \longrightarrow X[1]$ . The third row consists of  $X' \longrightarrow Y' \longrightarrow Z' \longrightarrow X'[1]$ . The bottom row consists of  $X' \longrightarrow Y' \longrightarrow Z' \longrightarrow X'[1]$ . Vertical arrows connect the objects in adjacent rows:  $adX' \rightarrow X$ ,  $X \rightarrow X'$ ,  $Y' \rightarrow Y$ ,  $Y \rightarrow Y'$ ,  $Z' \rightarrow Z$ ,  $Z \rightarrow Z'$ , and  $X'[1] \rightarrow X'[1]$ . Curved arrows labeled  $1$  connect the objects in the first and third rows:  $adX' \rightarrow X'$ ,  $Y' \rightarrow Y'$ ,  $Z' \rightarrow Z'$ , and  $X'[1] \rightarrow X'[1]$ .