

$$\begin{array}{ccccccc}
 X & \xrightarrow{a_1} & Y_2 & \longrightarrow & W & \longrightarrow & X[1] \\
 \downarrow b_1 & & \downarrow b_2 & & \parallel & & \downarrow \\
 Y_1 & \xrightarrow{a_2} & Z & \longrightarrow & W & \longrightarrow & Y_1[1]
 \end{array} \tag{3.}$$

$$\begin{array}{ccccccc}
 X & \xrightarrow{a_1} & Y_2 & \longrightarrow & W' & \longrightarrow & X[1] \\
 \downarrow b_1 & & \downarrow b'_2 & & \parallel & & \downarrow \\
 Y_1 & \xrightarrow{a'_2} & Z' & \longrightarrow & W' & \longrightarrow & Y_1[1]
 \end{array} \tag{2.}$$