

$$\begin{array}{ccccc}
 & & c_2 & & c_3 \\
 r_1 & A & \hookrightarrow & B & \longrightarrow \twoheadrightarrow X \\
 & \parallel & & \downarrow i & \downarrow i' \\
 r_2 & A & \hookrightarrow & C & \longrightarrow \twoheadrightarrow Y \\
 & & & \downarrow & \downarrow \\
 & & & \twoheadrightarrow & \twoheadrightarrow \\
 & & & \bullet & \overset{\sim}{\dashrightarrow} \bullet
 \end{array}$$