$$A \xLeftarrow{x} B \xRightarrow[y]{} C \xLeftrightarrow[y]{x} D \qquad (1)$$

$$A \xleftrightarrow{x} B \xhookrightarrow[bbb]{a} C \qquad (2)$$

$$\rightharpoonup \leftharpoonup \xrightleftharpoons[yy]{xxx} \nrightarrow \rightarrowtail \qquad (3)$$

$$\xmapsto{x>0} A \xleftrightarrow[\text{letters}]{} Z \qquad (4)$$