

$$\begin{array}{ccc}
 cc & \begin{array}{c} \xrightarrow{a} \\ \xleftarrow{b} \end{array} & ct \\
 \begin{array}{c} \uparrow l \\ \downarrow r \end{array} & & \begin{array}{c} \uparrow l \\ \downarrow r \end{array} \\
 tc & \begin{array}{c} \xrightarrow{a} \\ \xleftarrow{b} \end{array} & tt
 \end{array}$$