

$$\begin{array}{ccccc}
 L(a + a') & \longrightarrow & (w + y) +_{L(b+b')} (x + z) & \longleftarrow & L(c + c') \\
 \downarrow s & & \uparrow q & & \downarrow s \\
 La + La' & & & & Lc + Lc' \\
 \downarrow f + h & & & & \downarrow g' + k' \\
 w + y & \hookrightarrow & (w + y) + (x + z) & \longleftarrow & x + z
 \end{array}$$