$$
\begin{array}{ccc}
Lx & \longleftarrow y \longrightarrow & Lz \\
\scriptstyle Lf \downarrow & \scriptstyle g \downarrow & \downarrow \scriptstyle Lh \\
Lx' & \longleftarrow y' \longrightarrow & Lz'
\end{array}
$$