$$\begin{array}{c|c}
t_0'' = 0 \\
\downarrow & b \\
v B, B'
\end{array} \begin{array}{c|c}
t_1'' \\
\downarrow & \Delta s_1'' \\
\hline
v B & v_2 B'
\end{array} \begin{array}{c|c}
t_2'' \\
\downarrow & B, B'
\end{array}$$