

$$\begin{aligned}
\mathcal{L} [X_{i_ , j_ } [1]] &:= T_3 \mathbb{E} \left[\text{Plus} \left[\right. \right. \\
&\sum_{v=1}^3 (x_{vi} (p_{vi^+} - p_{vi}) + x_{vj} (p_{vj^+} - p_{vj}) + (T_v - 1) x_{vi} (p_{vi^+} - p_{vj^+})) , \\
&p_{3j} x_{2i} (T_1 x_{1i} - x_{1j}) , \\
&\in (T_3 - 1) p_{1j} x_{3i} (p_{2j} - p_{2i}) , \\
&\in (1 / 2 - p_{3i} x_{3i} - T_3 p_{1j} p_{2j} x_{1i} x_{2i} + p_{2j} p_{3i} x_{2j} x_{3i} - \\
&\quad T_2 p_{2j} p_{3j} x_{2i} x_{3j} + (T_3 - 1) p_{3j} x_{3i} (T_1 p_{1j} x_{1i} + T_2 p_{2j} x_{2i}) + \\
&\quad (p_{1j} x_{1j} (p_{2i} x_{2i} - p_{3i} x_{3i}) + T_1 p_{1i} x_{1i} (p_{3j} x_{3j} - p_{2j} x_{2j}) + \\
&\quad \left. \left. (T_3 - 1) p_{1j} x_{1j} (p_{2j} x_{2i} - T_1 p_{3j} x_{3i})) / (T_1 - 1) \right) \right]]
\end{aligned}$$