$$
\begin{aligned}
&\mathcal{L}[X_{i\_,j\_}[s\_]] := T_3^s\, \mathbb{E}\Big[\mathrm{CF@Plus}\Big[\\
&\quad \sum_{v=1}^{3} \left(x_{vi}\,(p_{vi^+} - p_{vi}) + x_{vj}\,(p_{vj^+} - p_{vj}) + \left(T_v^s - 1\right) x_{vi}\,(p_{vi^+} - p_{vj^+})\right),\\
&\quad \left(T_1^s - 1\right) p_{3j}\, x_{1i}\, \left(T_2^s\, x_{2i} - x_{2j}\right),\\
&\quad \epsilon\, s\, \left(T_3^s - 1\right) p_{1j}\,(p_{2i} - p_{2j})\, x_{3i} \Big/ \left(T_2^s - 1\right),\\
&\quad \epsilon\, s \Big(1/2 + T_2^s\, p_{1i}\, p_{2j}\, x_{1i}\, x_{2i} - p_{1i}\, p_{2j}\, x_{1i}\, x_{2j} - p_{3i}\, x_{3i} -\\
&\qquad \left(T_2^s - 1\right) p_{2j}\, p_{3i}\, x_{2i}\, x_{3i} + \left(T_3^s - 1\right) p_{2j}\, p_{3j}\, x_{2i}\, x_{3i} +\\
&\qquad 2\, p_{2j}\, p_{3i}\, x_{2j}\, x_{3i} + p_{1i}\, p_{3j}\, x_{1i}\, x_{3j} - p_{2i}\, p_{3j}\, x_{2i}\, x_{3j} -\\
&\qquad T_2^s\, p_{2j}\, p_{3j}\, x_{2i}\, x_{3j} +\\
&\qquad \Big(\left(T_1^s - 1\right) p_{1j}\, x_{1i}\, \Big(T_2^{2\,s}\, p_{2j}\, x_{2i} - T_2^s\, p_{2j}\, x_{2j} -\\
&\qquad\qquad \left(T_2^s + 1\right) \left(T_3^s - 1\right) p_{3j}\, x_{3i} + T_2^s\, p_{3j}\, x_{3j}\Big) +\\
&\qquad\quad \left(T_3^s - 1\right) p_{3j}\, x_{3i}\, \left(1 - T_2^s\, p_{1i}\, x_{1i} + p_{2i}\, x_{2j} + \left(T_2^s - 2\right) p_{2j}\, x_{2j}\right)\Big) \Big/\\
&\qquad \left(T_2^s - 1\right)\Big)\Big]\Big]
\end{aligned}
$$