

$$\mathcal{L}[C_{\underline{t}}[\varphi_{\underline{t}}]] := \tau_{\varphi}^3 \mathbb{E} \left[\sum_{v=1}^3 x_{v\underline{t}} (p_{v\underline{t}} + - p_{v\underline{t}}) + e_{\varphi} (p_{3\underline{t}} x_{3\underline{t}} - 1/2) \right]$$