$$\mathfrak{t} = \mathbb{R}^{1:d} i$$

$$\sigma \in 0|\ell$$

$$^{0:\tau}X^{\mu} = {}^{\ell:\tau}X^{\mu}$$

$$0|\ell \underset{\infty}{\triangle} \mathfrak{t}^{\mathbb{C}} \bowtie \mathbb{R} \xrightarrow[\;{}_{0}^{\sigma}(\tau)^{\mu}]{{}^{\sigma}(\tau)^{\mu}} \mathbb{R}$$

$$0|\ell \times \mathbb{R} \underset{\infty}{\triangle} \mathbb{R}^{1:d} \ni {}^{\sigma\tau}X$$

$$S(X) = -\frac{1}{4\pi\alpha'} \int_{d\sigma}^{0|\ell} \int_{d\tau} \sqrt{-\gamma}\, \overset{\alpha\beta}{\gamma}\, \partial_{\alpha} X^{\mu} \underset{\mu\nu}{\eta}\, \partial_{\beta} X^{\nu}$$

$$^{\sigma\tau}\overbrace{\mathcal{L}(X)} = -\frac{1}{4\pi\alpha'}\, {}^{\tau\sigma}\overbrace{\partial_{\alpha} X^{\mu}}\, \overset{\alpha\beta}{\eta}\, \underset{\mu\nu}{\eta}\, {}^{\tau\sigma}\overbrace{\partial_{\beta} X^{\nu}}$$

$$^{\tau\sigma}\overbrace{\mathcal{L}(X)} = -\frac{1}{4\pi\alpha'}\, {}_{\alpha}^{\tau\sigma}X^{\mu}\, \overset{\alpha\beta}{\eta}\, \underset{\mu\nu}{\eta}\, {}_{\beta}^{\tau\sigma}X^{\nu}$$

$$4\pi\alpha'\, {}^{\sigma}\overbrace{\mathcal{L}(\tau)} = -{}_{\alpha}^{\sigma}(\tau)^{\mu}\, \overset{\alpha\beta}{\eta}\, \underset{\mu\nu}{\eta}\, {}_{\beta}^{\sigma}(\tau)^{\nu} = {}_{0}^{\sigma}(\tau)^{\mu}\, \underset{\mu\nu}{\eta}\, {}_{0}^{\sigma}(\tau)^{\nu} - {}_{1}^{\sigma}(\tau)^{\mu}\, \underset{\mu\nu}{\eta}\, {}_{1}^{\sigma}(\tau)^{\nu} = {}_{0}^{\varrho}(\tau)^{\mu}\, \underset{\mu\nu}{\eta}\, \underset{\varrho\sigma}{\delta}\, {}_{0}^{\sigma}(\tau)^{\nu} - {}_{1}^{\varrho}(\tau)^{\mu}\, \underset{\mu\nu}{\eta}\, \underset{\varrho\sigma}{\delta}\, {}_{1}^{\sigma}(\tau)^{\nu}$$

$${}_{0}^{\varrho}(\tau)^{\mu} \ast {}^{\sigma}(\tau)^{\nu} = -2\pi i\, \alpha'\, \overset{\mu\nu}{\eta}\, \overset{\varrho\sigma}{\delta}$$

$${}_{\mu}(\tau)_{\varrho} = \frac{\partial \mathcal{L}}{\partial {}_{0}^{\varrho}(\tau)^{\mu}} = \frac{1}{2\pi\alpha'}\, \underset{\mu\nu}{\eta}\, {}_{0}^{\sigma}(\tau)^{\nu}\, \underset{\sigma\varrho}{\delta}$$

$$i\, {}_{\mu}(\tau)_{\varrho} \ast {}^{\sigma}(\tau)^{\nu} = {}_{\mu}^{\sigma}\delta_{\varrho}^{\nu}$$