$$ {}^{x}\boxed{\Psi:}\bullet^{\mu} = {}^{x}\mathfrak{z}^{\mu}\;{}^{x}\boxed{\Psi:} - \underbrace{{}^{x}\mathfrak{z}^{\nu}\;{}_{\nu}\underline{{}_{\sigma}\overset{i}{\Psi}_{\ell}} + {}^{x}_{\sigma}\overset{i}{\boxed{\Psi}}\bullet_{\ell}}\;{}^{x\,\ell}\underset{i}{\boxed{\Psi:}}^{\sigma\mu} = {}^{x}\mathfrak{z}^{\nu}\;\underbrace{{}_{\nu}\delta^{\mu}\,{}^{x}\boxed{\Psi:} - {}^{x}{}_{\nu}\underline{{}_{\sigma}\overset{i}{\Psi}_{\ell}}\;{}^{x\,\ell}\underset{i}{\boxed{\Psi:}}^{\sigma\mu}} + {}^{x}_{\sigma}\overset{i}{\boxed{\Psi}}\bullet_{\ell}\;{}^{x\,\ell}\underset{i}{\boxed{\Psi:}}^{\sigma\mu} $$

$$ \boxed{\Psi:}\bullet^{\mu} = \mathfrak{z}^{\mu}\;\boxed{\Psi:} - \underbrace{\mathfrak{z}^{\nu}\;{}_{\nu}\underline{{}_{\sigma}\overset{i}{\Psi}_{\ell}} + {}_{\sigma}\overset{i}{\boxed{\Psi}}\bullet_{\ell}}\;{}^{\ell}\underset{i}{\boxed{\Psi:}}^{\sigma\mu} = \mathfrak{z}^{\nu}\;\underbrace{{}_{\nu}\delta^{\mu}\,\boxed{\Psi:} - {}_{\nu}\underline{{}_{\sigma}\overset{i}{\Psi}_{\ell}}\;{}^{\ell}\underset{i}{\boxed{\Psi:}}^{\sigma\mu}} + {}_{\sigma}\overset{i}{\boxed{\Psi}}\bullet_{\ell}\;{}^{\ell}\underset{i}{\boxed{\Psi:}}^{\sigma\mu} $$

$$ {}_{\mu}\underline{\boxed{\Psi:}\bullet^{\mu}} \;\underset{\text{current}}{\overset{\text{conserved}}{=}}\; 0 $$

$$ \text{LHS} = {}_{\mu}\underline{{}^{x}\mathfrak{z}^{\nu}\underbrace{{}_{\nu}\delta^{\mu}\boxed{\Psi:} - {}_{\nu}\underline{{}_{\sigma}\overset{i}{\Psi}_{\ell}}\,{}^{\ell}\underset{i}{\boxed{\Psi:}}^{\sigma\mu}} + {}_{\sigma}\overset{i}{\boxed{\Psi}}\bullet_{\ell}\,{}^{\ell}\underset{i}{\boxed{\Psi:}}^{\sigma\mu}} $$

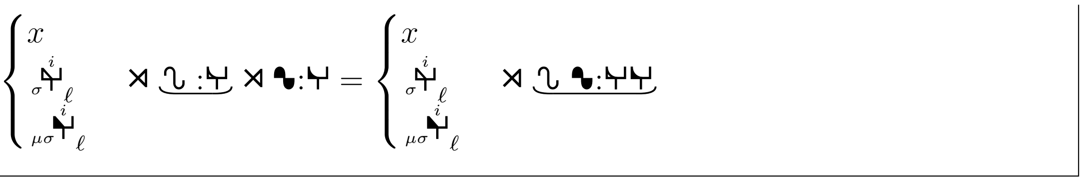
$$ = {}^{x}_{\mu}\underline{\mathfrak{z}}^{\nu}\underbrace{{}_{\nu}\delta^{\mu}\,{}^{x}\boxed{\Psi:} - {}^{x}{}_{\nu}\underline{{}_{\sigma}\overset{i}{\Psi}_{\ell}}\,{}^{x\,\ell}\underset{i}{\boxed{\Psi:}}^{\sigma\mu}} + {}^{x}\mathfrak{z}^{\nu}\,\underset{*}{{}_{\mu}\underline{{}^{x}{}_{\nu}\delta^{\mu}\boxed{\Psi:}\,{}_{\nu}\underline{{}_{\sigma}\overset{i}{\Psi}_{\ell}}\,{}^{\ell}\underset{i}{\boxed{\Psi:}}^{\sigma\mu}}} + {}^{x}_{\sigma}\overset{i}{\boxed{\Psi}}\bullet_{\ell}\,\underset{**}{{}_{\mu}\underline{{}^{x\,\ell}\underset{i}{\boxed{\Psi:}}^{\sigma\mu}}} + \underset{***}{{}_{\mu}\underline{{}^{x}{}_{\sigma}\overset{i}{\boxed{\Psi}}\bullet_{\ell}}}\,{}^{x\,\ell}\underset{i}{\boxed{\Psi:}}^{\sigma\mu} $$

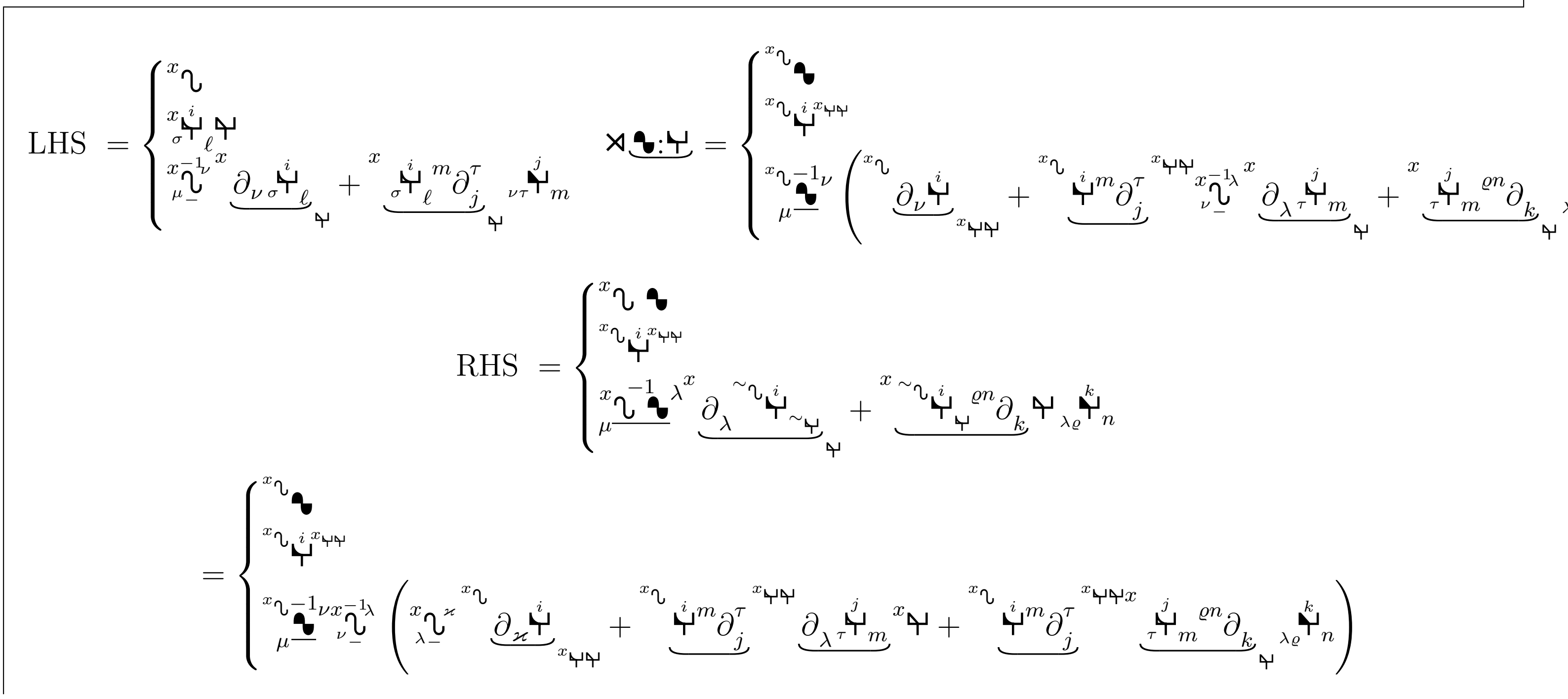
$$ \underset{\text{harm}}{=} {}^{x}_{\mu}\underline{\mathfrak{z}}^{\nu}\underbrace{{}_{\nu}\delta^{\mu}\,{}^{x}\boxed{\Psi:} - {}^{x}{}_{\nu}\underline{{}_{\sigma}\overset{i}{\Psi}_{\ell}}\,{}^{x\,\ell}\underset{i}{\boxed{\Psi:}}^{\sigma\mu}} + {}^{x}\mathfrak{z}^{\nu}\,\underset{*}{{}^{x}_{\nu}\boxed{\Psi:}} + {}^{x}_{\sigma}\overset{i}{\boxed{\Psi}}\bullet_{\ell}\,\underset{**}{{}^{x\,\ell}\boxed{\Psi:}}^{\sigma}_{i} + \underbrace{{}^{x}_{\sigma}\overset{i}{\underset{\mu}{\boxed{\Psi}}}\bullet_{\ell} + {}^{x}{}_{\mu}\underline{{}_{\tau}\overset{j}{\Psi}_{m}}\,{}^{x\,m}_{\sigma}\overset{i}{\underset{j}{\boxed{\Psi}}}\bullet^{\tau}_{\ell}}_{***}\,{}^{x\,\ell}\underset{i}{\boxed{\Psi:}}^{\sigma\mu} $$

$$ = {}^{x}_{\mu}\underline{\mathfrak{z}}^{\mu}\,{}^{x}\boxed{\Psi:} + {}^{x}\mathfrak{z}^{\nu}\,{}^{x}_{\nu}\boxed{\Psi:} + {}^{x}_{\sigma}\overset{i}{\boxed{\Psi}}\bullet_{\ell}\,{}^{x\,\ell}\boxed{\Psi:}^{\sigma}_{i} + \underbrace{{}^{x}_{\sigma}\overset{i}{\underset{\mu}{\boxed{\Psi}}}\bullet_{\ell} + {}^{x}{}_{\mu}\underline{{}_{\tau}\overset{j}{\Psi}_{m}}\,{}^{x\,m}_{\sigma}\overset{i}{\underset{j}{\boxed{\Psi}}}\bullet^{\tau}_{\ell} - {}^{x}_{\mu}\underline{\mathfrak{z}}^{\nu}\,{}^{x}{}_{\nu}\underline{{}_{\sigma}\overset{i}{\Psi}_{\ell}}}\,{}^{x\,\ell}\underset{i}{\boxed{\Psi:}}^{\sigma\mu} $$

$$ = {}^{x}_{\mu}\underline{\mathfrak{z}}^{\mu}\boxed{x:{}^{x}\Psi:{}^{x}\underline{\Psi}} + {}^{x}\mathfrak{z}^{\nu}\,{}_{\nu}\boxed{x:{}^{x}\Psi:{}^{x}\underline{\Psi}} + {}_{\sigma}\overset{i}{\boxed{x:{}^{x}\Psi}}\bullet_{\ell}\,{}^{\ell}\boxed{x:{}^{x}\Psi:{}^{x}\underline{\Psi}}^{\sigma}_{i} $$

$$ + \underbrace{{}_{\sigma}\overset{i}{\underset{\mu}{\boxed{x:{}^{x}\Psi}}}\bullet_{\ell} + {}^{x}_{\mu\tau}\underline{\overset{j}{\Psi}}_{m}\,{}^{m}_{\sigma}\overset{i}{\underset{j}{\boxed{x:{}^{x}\Psi}}}\bullet^{\tau}_{\ell} - {}^{x}_{\mu}\underline{\mathfrak{z}}^{\nu}\,{}^{x}_{\nu\sigma}\underline{\overset{i}{\Psi}}_{\ell}}\,{}^{\ell}\boxed{x:{}^{x}\Psi:{}^{x}\underline{\Psi}}^{\sigma\mu}_{i} = 0 $$




LHS
RHS