

$$\mathbb{H}_{\infty}^{\psi} \mathbb{R}^d \xrightarrow{\text{diff}} \mathbb{R}$$

$$\mathbb{H}_{\infty}^{\psi} \mathbb{R}^d \xrightarrow{\text{lin}} \mathbb{R}$$

$$\mathbb{H}_{\infty}^{\psi} \mathcal{L} = \int_{dx}^M x_{\mathbb{H}} \overbrace{x \partial \mathcal{L}}^{\mathbb{H}} = \int_{dx}^M x_{ab} \overbrace{x \partial \mathcal{L}}^{\mathbb{H}}$$

$$\mathbb{R}^n \xrightarrow{\mathbb{H}} \mathbb{R}^N$$

$$\mathbb{H}_{\mu\nu} \mathbb{H} = \mathbb{H}_{\mu}^i \mathbb{H}_{\nu}^j \mathbb{H}_{ij}$$

$$\mathbb{H} = \mathbb{H}_{\mu\nu} \mathbb{H} = \mathbb{H}_{\mu} \mathbb{H}_{\nu} \mathbb{H}$$

$$\mathbb{H} = \begin{array}{c|c} \mathbb{H}^1 & \mathbb{H}^N \\ \hline \mathbb{H}^1 & \mathbb{H}^N \end{array}$$

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$$\mathbb{H} = \mathbb{H} \mathbb{H} \mathbb{H}$$