

$$2^N \ni A \subset N$$

$$\text{dof } \mathfrak{N} \colon \mathfrak{M} \in {}^{2^N}\mathbb{K} \times {}^{2^N}_d\mathbb{K}$$

$$\overbrace{-1}^{iA}{}^A\mathbb{T}^\mu_B=-{}^A\mathbb{T}^\mu_B\overbrace{-1}^{jB}$$

$$x^\nu\colon \mathfrak{N}\colon_\mu \mathfrak{M} \in \mathbb{R}^d \times {}^{2^N}\mathbb{K} \times {}^{2^N}_d\mathbb{K} \xrightarrow[\text{Dirac}]{\mathcal{L}} \mathbb{R} \ni {}^x\mathcal{L}_{\mathfrak{N};\mathfrak{M}}$$

$${}^x\mathcal{L}_{\mathfrak{N};\mathfrak{M}} = \mathfrak{M}^* \overbrace{-1}^{iA}{}^A\mathbb{T}^\mu_{B^\mu} \mathfrak{M}^{jB} - m \mathfrak{M}^{iA}$$

$$\text{cospinor fields } \mathbb{R}^d \xrightarrow{\mathfrak{M}^{iA}} {}^{2^N}\mathbb{K}$$

$${}^x\mathcal{L}_{\mathfrak{M}} = {}^{x iA*} \overbrace{-1}^{iA}{}^A\mathbb{T}^\mu_{B^\mu_-} {}^{x jB} \mathfrak{M} - m {}^{x iA}$$