$$x\{\cdots\} = x\{\cdots\} \overset{\text{group}}{\underset{\text{inv}}{=}} \det\ {}^{x}(\cdots)\ {}^{x}(\cdots)\{\cdots\}$$

$$\cdots \overset{\text{Lie alg}}{\underset{\text{inv}}{=}} \cdots$$

$$\cdots = \partial_t\, \cdots$$

$$\cdots = \partial_t\, \cdots \Rightarrow \partial_t\, \cdots = \cdots = \cdots = \cdots$$

$$\text{LHS} = \partial_t\, x\{\cdots\} = \partial_t \cdots = \partial_t \cdots + \partial_t \cdots = \text{RHS}$$

$$x^{\nu} : \cdots \in \mathbb{R}^{d} \times \mathbb{R}^{N}_{M} \times {}_{d}\mathbb{R}^{N}_{M} \xrightarrow[\text{el current}]{\cdots} \mathbb{R} \ni \cdots$$

$$\cdots = \cdots x\{\cdots\} - \cdots = \cdots + \cdots - {}_{\nu}\delta^{\mu} x\{\cdots\}$$