

$$\mathfrak{b} = [\mathfrak{b}^1 \ \dots \ \mathfrak{b}^n] \in \mathbb{C}^{n|n} \times \mathbb{C}^{n|n}$$

$$\begin{array}{ccc} & \mathbb{C}^{n|n} & \\ & \updownarrow & \\ \mathfrak{A} & & \mathfrak{B} \\ & \mathbb{C}^{n|n} & \end{array}$$

$$\mathfrak{h} \xrightarrow{\mathfrak{A}} \mathbb{C}^{n|n}$$

$$\mathfrak{b} = \left\{ \begin{array}{c} \mathfrak{A} \mathfrak{A}^{\mathfrak{h}} \\ \mathfrak{B} \mathfrak{B}^{\mathfrak{h}} \end{array} \right\} : \delta^j = \begin{cases} \mathfrak{A}^{\mathfrak{h}} \mathfrak{A}^{\mathfrak{h}} \\ \mathfrak{B}^{\mathfrak{h}} \mathfrak{B}^{\mathfrak{h}} \end{cases}$$

$$\mathfrak{b} = \left\{ \begin{array}{c} \mathfrak{A} \mathfrak{A}^{\mathfrak{h}} \\ \mathfrak{B} \mathfrak{B}^{\mathfrak{h}} \end{array} \right\} : \delta^\nu = \begin{cases} \mathfrak{A}^{\mathfrak{h}} \mathfrak{A}^{\mathfrak{h}} \\ \mathfrak{B}^{\mathfrak{h}} \mathfrak{B}^{\mathfrak{h}} \end{cases}$$

$$\mathbb{C}^{n|n} \xrightarrow[\mathfrak{A} \mathfrak{A}^{\mathfrak{h}} = \mathfrak{A} \eta \mathfrak{A}^{\mathfrak{h}}]{\mathfrak{A} \mathfrak{A}^{\mathfrak{h}} = \mathfrak{A} \eta \mathfrak{A}^{\mathfrak{h}}} \mathbb{C}^{p|q}$$

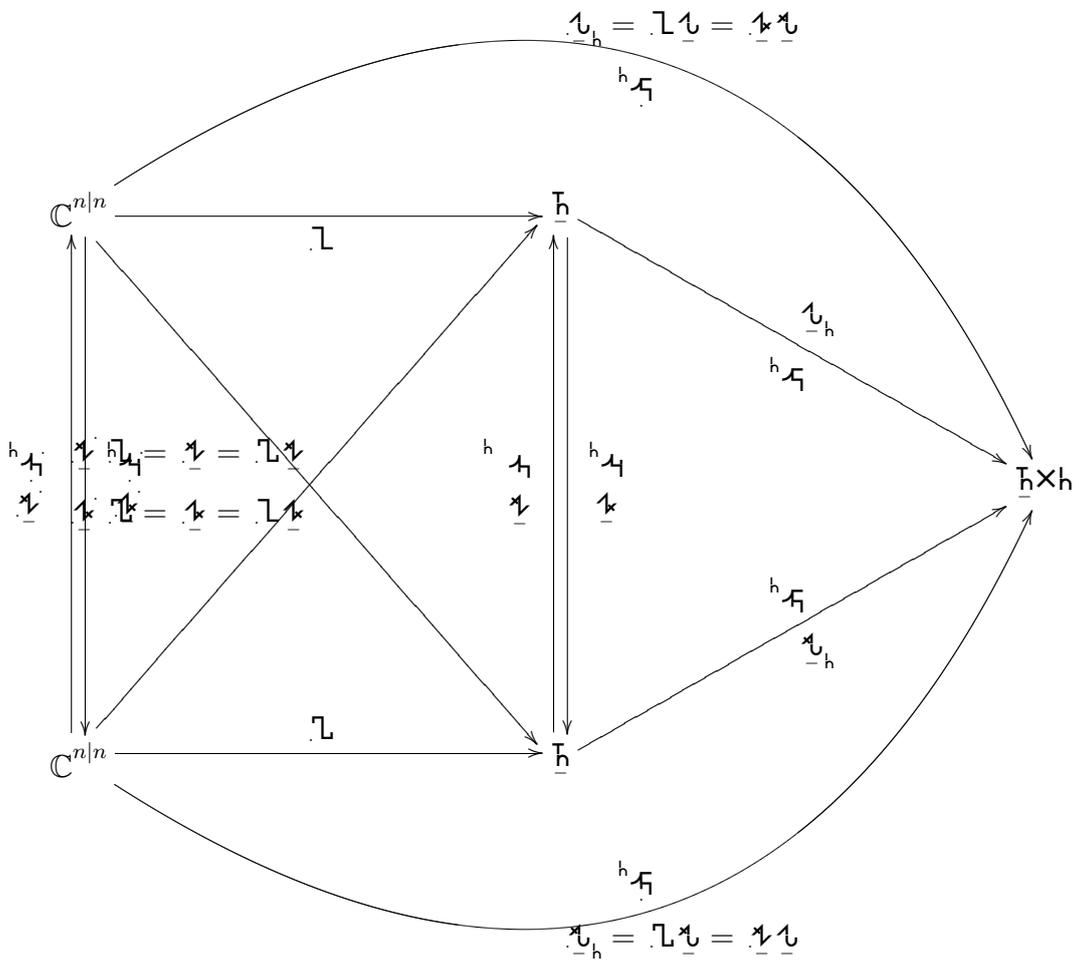
$$\begin{cases} \mathfrak{A}_{\mu\nu}^{\mathfrak{h}} = \mathfrak{A}^{\mathfrak{h}} \eta \mathfrak{A}^{\mathfrak{h}} = \mathfrak{A}_{\mu}^{\mathfrak{h}} \eta_{ij} \mathfrak{A}^{\mathfrak{h}} = \mathfrak{A}_{\mu}^{\mathfrak{h}} \eta_{ij}^{\mathfrak{h}} \mathfrak{A}^{\mathfrak{h}} \\ \mathfrak{A}_{\mu}^{\mathfrak{h}} = \mathfrak{A}_{\mu}^{\mathfrak{h}} \eta_{ij}^{\mathfrak{h}} \mathfrak{A}^{\mathfrak{h}} \end{cases}$$

$$\mathfrak{A}^{\mathfrak{h}} = \mathfrak{A}^{\mathfrak{h}} \eta \mathfrak{A}^{\mathfrak{h}}$$

$$\mathfrak{A}_{\mu\nu}^{\mathfrak{h}}$$

$$\mathfrak{b} \times \mathfrak{b} = \mathfrak{b} \eta \mathfrak{b} = \mathfrak{b}^i \eta_{ij} \mathfrak{b}^j$$

$$\mathfrak{b} \times \mathfrak{b} = \mathfrak{b} \mathfrak{A}^{\mathfrak{h}} = \begin{cases} \mathfrak{A}^{\mathfrak{h}} \mathfrak{A}^{\mathfrak{h}} \times \mathfrak{A}^{\mathfrak{h}} \mathfrak{A}^{\mathfrak{h}} = \mathfrak{A}^{\mathfrak{h}} \mathfrak{A}^{\mathfrak{h}} \eta \mathfrak{A}^{\mathfrak{h}} \mathfrak{A}^{\mathfrak{h}} = \mathfrak{A}^{\mathfrak{h}} \mathfrak{A}^{\mathfrak{h}} \eta \mathfrak{A}^{\mathfrak{h}} \mathfrak{A}^{\mathfrak{h}} = \mathfrak{A}^{\mathfrak{h}} \mathfrak{A}^{\mathfrak{h}} \eta \mathfrak{A}^{\mathfrak{h}} \mathfrak{A}^{\mathfrak{h}} = \mathfrak{A}^{\mathfrak{h}} \mathfrak{A}^{\mathfrak{h}} \mathfrak{A}^{\mathfrak{h}} = \mathfrak{A}^{\mathfrak{h}} \mathfrak{A}^{\mathfrak{h}} \mathfrak{A}^{\mathfrak{h}} \\ \mathfrak{A}^{\mathfrak{h}} \mathfrak{A}^{\mathfrak{h}} \times \mathfrak{A}^{\mathfrak{h}} \mathfrak{A}^{\mathfrak{h}} = \mathfrak{A}^{\mathfrak{h}} \mathfrak{A}^{\mathfrak{h}} \eta \mathfrak{A}^{\mathfrak{h}} \mathfrak{A}^{\mathfrak{h}} = \mathfrak{A}^{\mathfrak{h}} \mathfrak{A}^{\mathfrak{h}} \mathfrak{A}^{\mathfrak{h}} = \mathfrak{A}^{\mathfrak{h}} \mathfrak{A}^{\mathfrak{h}} \mathfrak{A}^{\mathfrak{h}} \end{cases}$$



$$\text{ob } L = \underbrace{\text{ob } U_h}_{\mu} \eta: \quad \mu L = \mu U_h \eta$$

$$\text{ob } U_h = \underbrace{\text{ob } L}_{\mu} U_h: \quad \mu U_h = \mu L U_h$$

