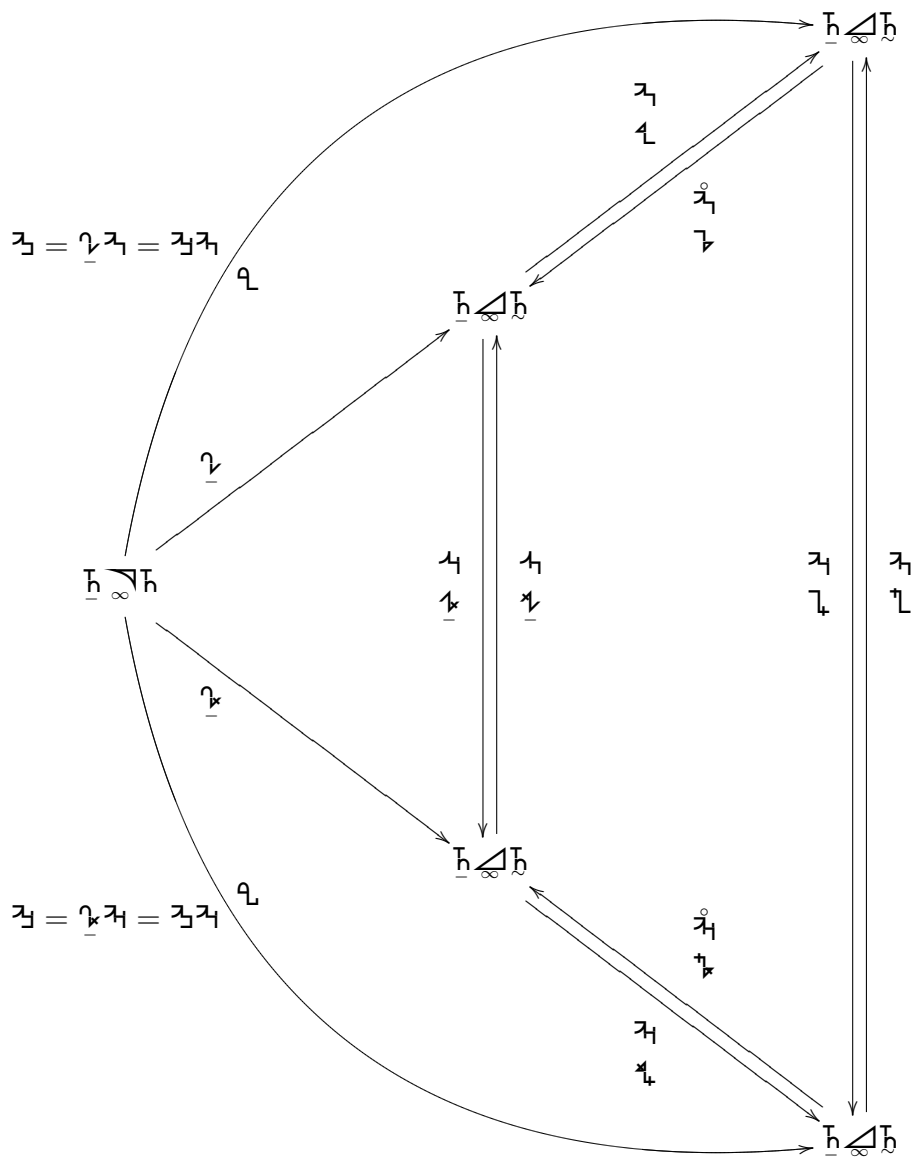


$$\mathfrak{h} = \mathfrak{h} \ltimes \mathfrak{h}$$

$$U: \mathfrak{g} \text{ Karte } \mathfrak{h}_U = \sum_i \mathfrak{h} \ltimes \mathfrak{g}^i \frac{\partial}{\partial \mathfrak{g}^i}$$

$$\begin{aligned} \mathfrak{h} \ltimes \mathfrak{h}_U &= \sum_{ij} \mathfrak{h} \ltimes \mathfrak{g}^i \frac{\partial}{\partial \mathfrak{g}^i} \mathfrak{h} \ltimes \mathfrak{g}^j \frac{\partial}{\partial \mathfrak{g}^j} - \mathfrak{h} \ltimes \mathfrak{g}^i \frac{\partial}{\partial \mathfrak{g}^i} \mathfrak{h} \ltimes \mathfrak{g}^j \frac{\partial}{\partial \mathfrak{g}^j} \\ &= \sum_j \sum_i \mathfrak{h} \ltimes \mathfrak{g}^i \frac{\partial \mathfrak{h} \ltimes \mathfrak{g}^j}{\partial \mathfrak{g}^i} - \mathfrak{h} \ltimes \mathfrak{g}^i \frac{\partial \mathfrak{h} \ltimes \mathfrak{g}^j}{\partial \mathfrak{g}^i} \frac{\partial}{\partial \mathfrak{g}^j} \end{aligned}$$



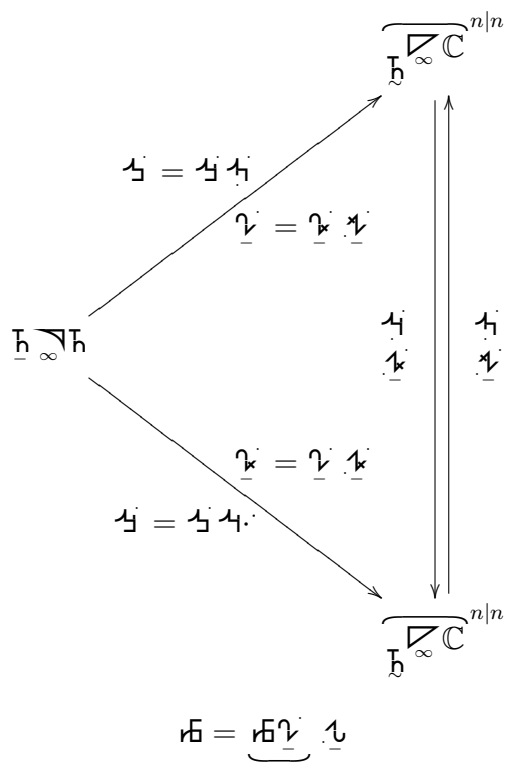
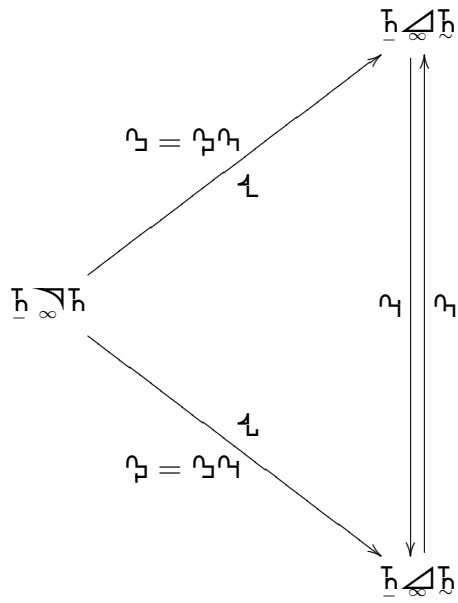
$$z = \bar{z}z = z\bar{z}$$

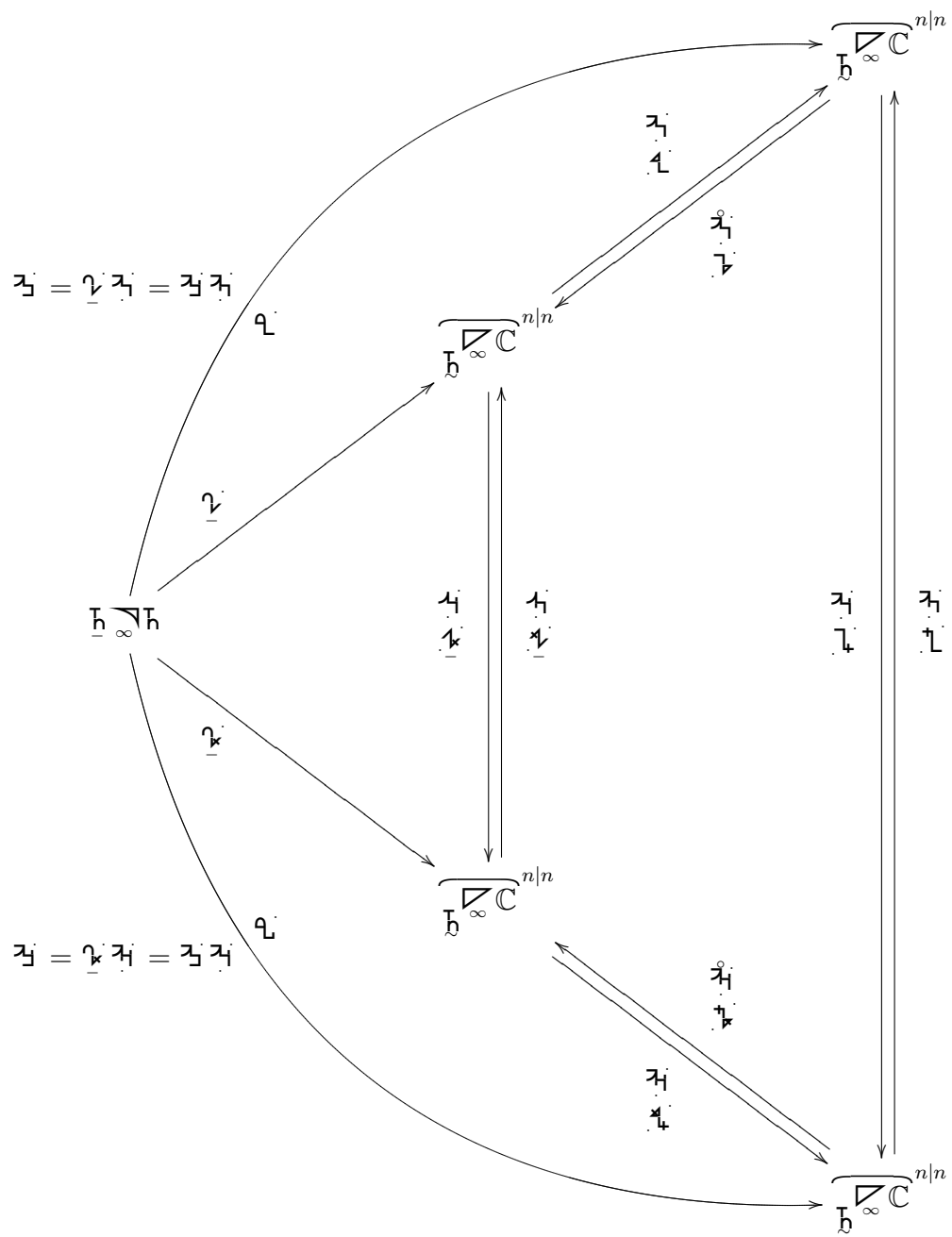
$$z = \bar{z}z = z\bar{z}$$

$$\begin{cases} \bar{z}z = \bar{z}z \\ \bar{z}z = \bar{z}z \end{cases}$$

$$\bar{z}z = \begin{cases} \bar{z}z \\ \bar{z}z \end{cases}$$

$$\bar{z} = \begin{cases} \bar{z}z \\ \bar{z}z \end{cases}$$





$$\begin{cases} \overline{\gamma} = \overline{\gamma} \overline{\gamma} \\ \overline{\gamma} = \overline{\gamma} \overline{\gamma} \end{cases}$$

$$\overline{\gamma} = \begin{cases} \overline{\gamma} \overline{\gamma} \\ \overline{\gamma} \overline{\gamma} \end{cases}$$

$$\mathcal{H} = \begin{cases} \mathcal{H}_1 \oplus \mathcal{H}_2 \\ \mathcal{H}_1 \oplus \mathcal{H}_2 \end{cases}$$

