

$$\ast_z \left(\begin{smallmatrix} z \\ \downarrow \\ \downarrow \end{smallmatrix} \right) = \downarrow \vDash^z \mathbb{1}^N$$

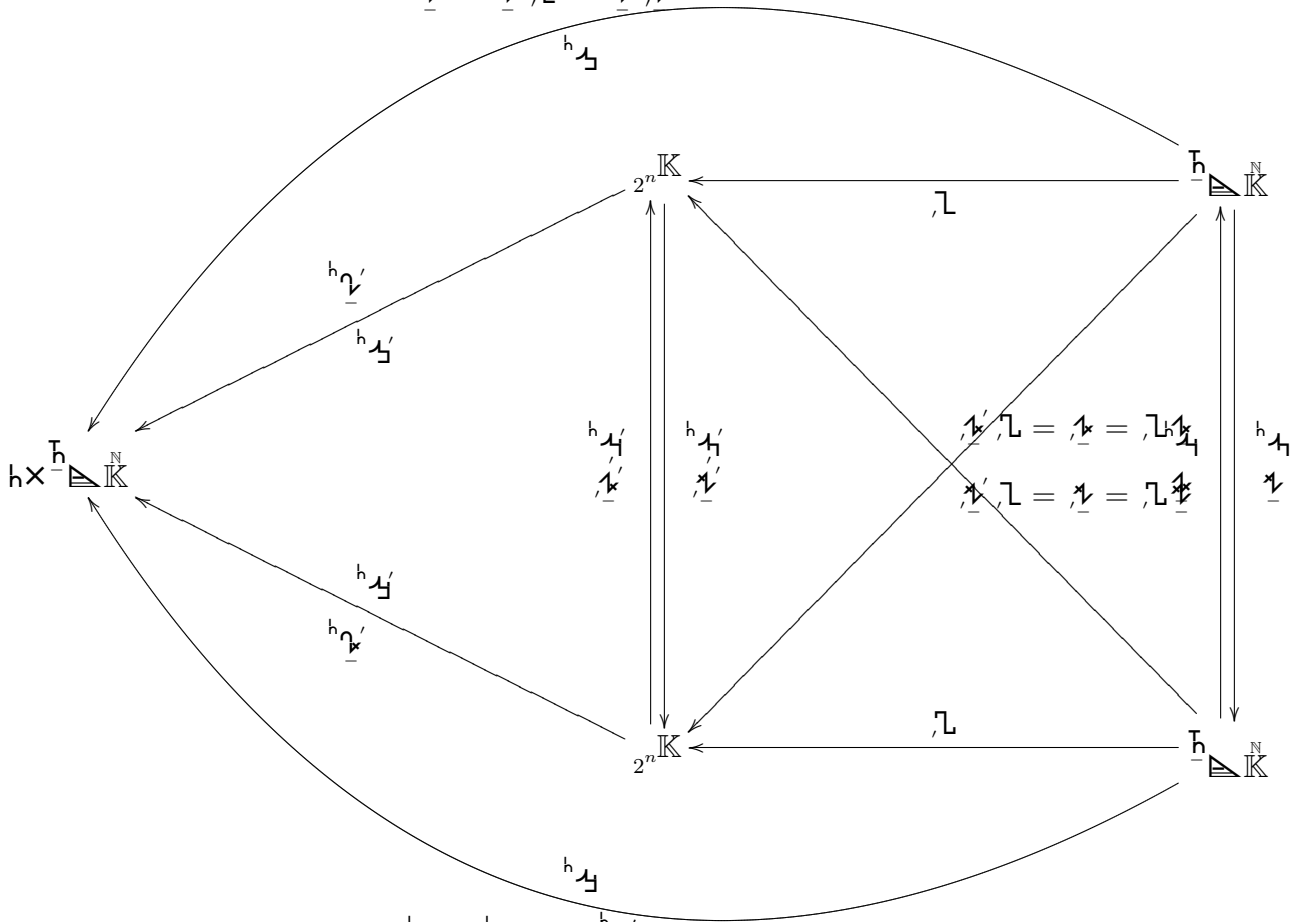
$$\ast_z^{n-m} \ast_z^m = \binom{n-m}{0} m \eta^N$$

$$\mathbb{1} \boxtimes (\ast_z \mathbb{1}) = \underbrace{\mathbb{1} \boxtimes \mathbb{1}}_z \vDash^z \mathbb{1}^N$$

$$\downarrow \vDash^z \mathbb{1}^N = \begin{smallmatrix} z \\ \downarrow \\ \downarrow \end{smallmatrix} \left(\underbrace{\mathbb{1}^N \boxtimes \downarrow}_z \vDash^z \begin{smallmatrix} z \\ \downarrow \\ \downarrow \end{smallmatrix} \right)$$

$$\ast_z \mathbb{1} = \begin{smallmatrix} z \\ \downarrow \\ \downarrow \end{smallmatrix} \left(\underbrace{\mathbb{1}^N \boxtimes \downarrow}_z \vDash^z \mathbb{1} \right)$$

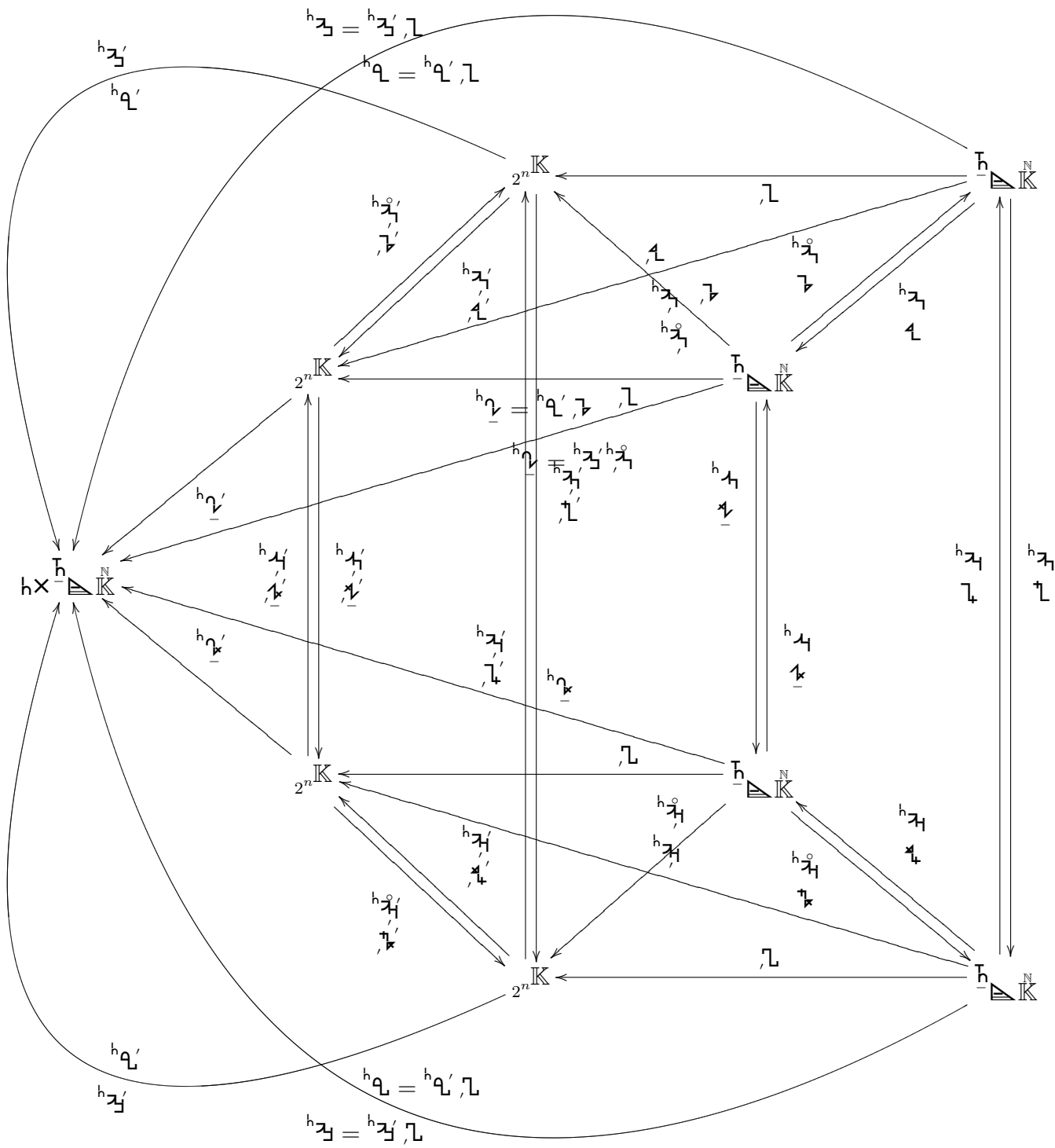
$$h_{\underline{v}} = h_{\underline{v}'} \circ \mathbb{L} = h_{\underline{v}'} \circ \mathbb{1}$$



$$h_{\underline{k}} = h_{\underline{k}'} \circ \mathbb{L} = h_{\underline{k}'} \circ \mathbb{1}$$

$$\mathbb{L} \mathbb{1} = \mathbb{1} \circ_h \overline{h_{\mathbb{1}'}} \mathbb{1}$$

$$h_{\underline{v}} \mathbb{1} = h_{\underline{v}'} \circ \mathbb{L} \mathbb{1}$$



$$\begin{cases} \underline{h}_{\mathcal{A}} = \underline{t}_h(\underline{h}_{\mathcal{A}}) \\ \underline{h}_{\mathcal{B}} = \underline{t}_h(\underline{h}_{\mathcal{B}}) \end{cases}$$

$$\begin{cases} \underline{h}_{\mathcal{A}'} = \underline{t}_h(\underline{h}_{\mathcal{A}'}) \\ \underline{h}_{\mathcal{B}'} = \underline{t}_h(\underline{h}_{\mathcal{B}'}) \end{cases}$$

$$\underline{h}_{\mathcal{A}} = \begin{cases} \underline{h}_{\mathcal{A}'} \\ \underline{h}_{\mathcal{B}'} \end{cases}$$

$$\begin{cases} \underline{h}_{\mathcal{A}} = \underline{h}_{\mathcal{A}'} \underline{h}_{\mathcal{B}} = \underline{h}_{\mathcal{A}'} \underline{h}_{\mathcal{A}'} \\ \underline{h}_{\mathcal{B}} = \underline{h}_{\mathcal{B}'} \underline{h}_{\mathcal{A}} = \underline{h}_{\mathcal{B}'} \underline{h}_{\mathcal{A}'} \end{cases}$$

$$\underline{h}_{\mathcal{A}} = \underline{h}_{\mathcal{A}'} \underline{h}_{\mathcal{B}} = \underline{h}_{\mathcal{A}'} \underline{h}_{\mathcal{A}'}$$

$$\underline{h}_{\mathcal{A}}$$

