

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

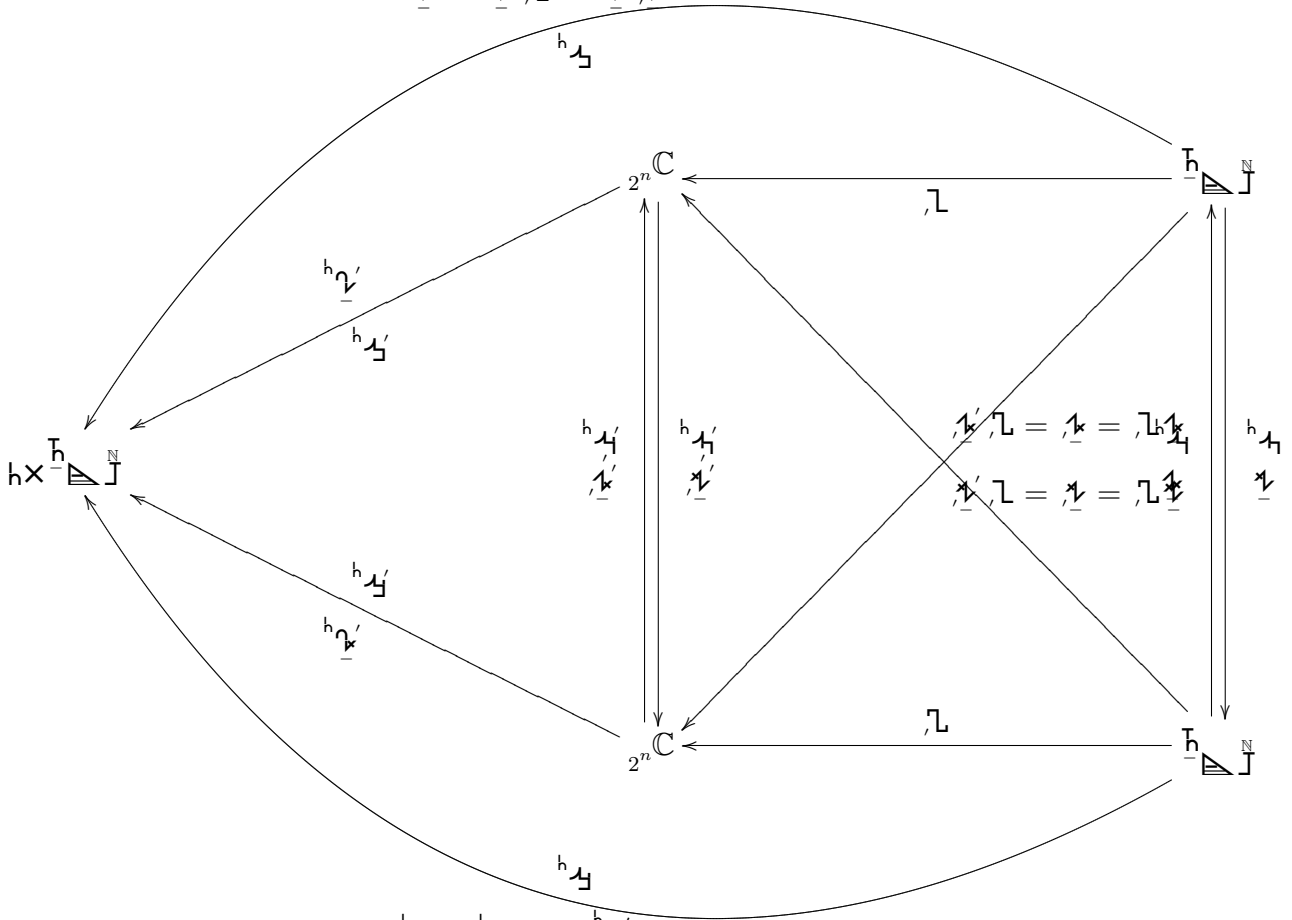
$$\ast_z^{n-m} \ast_z^m = \binom{n-m}{0} m \eta^N$$

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

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

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

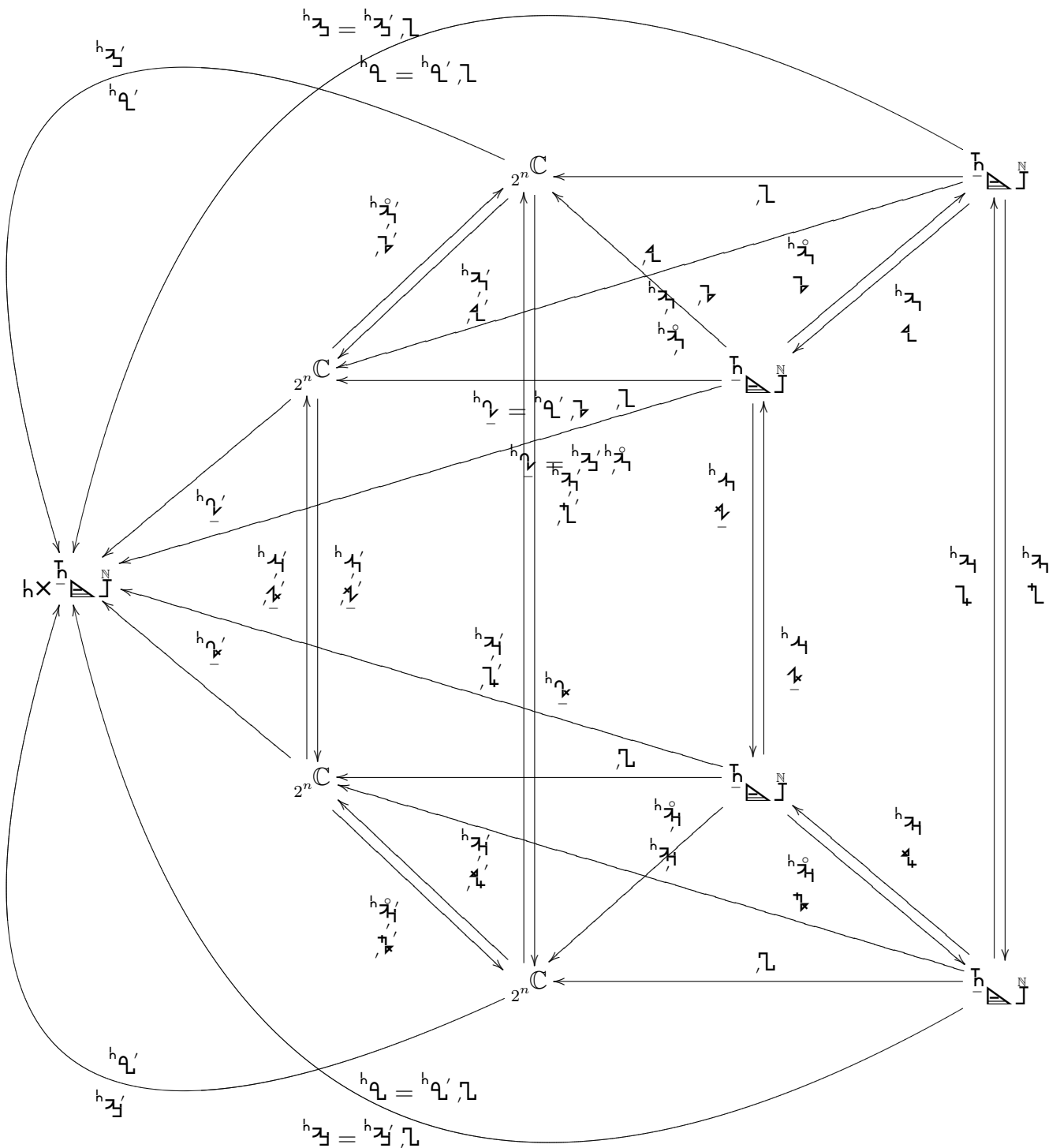
$$h_{\underline{v}} = h_{\underline{v}'} \lrcorner = h_{\underline{k}'} \lrcorner$$



$$h_{\underline{k}} = h_{\underline{k}'} \lrcorner = h_{\underline{v}'} \lrcorner$$

$$\lrcorner \mathbb{1} = \underbrace{\lrcorner}_{h} \mathbb{1}$$

$$h_{\underline{v}} \mathbb{1} = h_{\underline{v}'} \lrcorner \mathbb{1}$$



$$\tau, \tau = \begin{cases} h_{\mathcal{B}'}, h_{\mathcal{B}} \\ \tau, h_{\mathcal{A}} \end{cases}$$

$$\begin{cases} h_{\mathcal{A}} = \tau_h(h_{\mathcal{B}}) \\ h_{\mathcal{A}'} = \tau_h(h_{\mathcal{B}'}) \end{cases}$$

$$\begin{cases} h_{\mathcal{A}}^{\circ} = h_{\mathcal{A}'} \circ h_{\mathcal{B}} \\ h_{\mathcal{A}'} = \tau_h(h_{\mathcal{B}'}) \end{cases}$$

$$h_{\mathcal{B}} = \begin{cases} h_{\mathcal{A}} \circ h_{\mathcal{A}'} \\ h_{\mathcal{A}'} \circ h_{\mathcal{B}'} \end{cases}$$

$$\begin{cases} h_{\mathcal{A}} = h_{\mathcal{A}'} \circ h_{\mathcal{B}} = h_{\mathcal{A}'} \circ h_{\mathcal{B}'} \\ h_{\mathcal{A}'} = h_{\mathcal{A}'} \circ h_{\mathcal{B}} = h_{\mathcal{A}'} \circ h_{\mathcal{B}'}) \end{cases}$$

$$h_{\mathcal{A}} = h_{\mathcal{A}'} \circ h_{\mathcal{B}} = h_{\mathcal{A}'} \circ h_{\mathcal{B}'})$$

