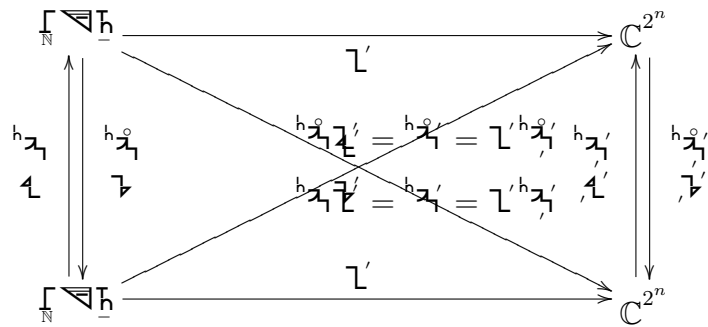


$$\begin{matrix} \mathbb{R}^n \\ \downarrow \mathcal{A} \\ \mathbb{R}^n \end{matrix} \xrightarrow{\mathcal{L}'} \mathbb{C}^{2n}$$

$$\mathcal{L} = \begin{pmatrix} \mathcal{L}' & \mathcal{L} \end{pmatrix}$$

$$\mathcal{L} = \begin{pmatrix} \mathcal{L}' & \mathcal{L} \end{pmatrix}$$



$$\mathcal{L} \mathcal{L}' = \begin{pmatrix} \mathcal{L}' & \mathcal{L} \\ \mathcal{L}' & \mathcal{L} \end{pmatrix} = \det \begin{pmatrix} \mathcal{L}' & \mathcal{L} \\ \mathcal{L}' & \mathcal{L} \end{pmatrix}$$

$$\mathcal{L} = \begin{pmatrix} \mathcal{L}'_{h_{2i}^0} & \mathcal{L}'_{h_{2i}^1} \\ \mathcal{L}'_{\mathcal{L}} & \mathcal{L}'_{\mathcal{L}} \end{pmatrix}$$

$$\mathcal{L} = \begin{pmatrix} \mathcal{L}'_{h_{2i}^0} & \mathcal{L}'_{h_{2i}^1} \\ \mathcal{L}'_{\mathcal{L}} & \mathcal{L}'_{\mathcal{L}} \end{pmatrix}$$

$$\mathcal{L} \mathcal{L}' = \begin{cases} \mathcal{L}'_{h_{2i}^0} \mathcal{L}'_{h_{2i}^1} = \mathcal{L}'_{h_{2i}^0} \mathcal{L}'_{h_{2i}^1} \\ \mathcal{L}'_{\mathcal{L}} \mathcal{L}'_{\mathcal{L}} = \mathcal{L}'_{\mathcal{L}} \mathcal{L}'_{\mathcal{L}} \end{cases}$$

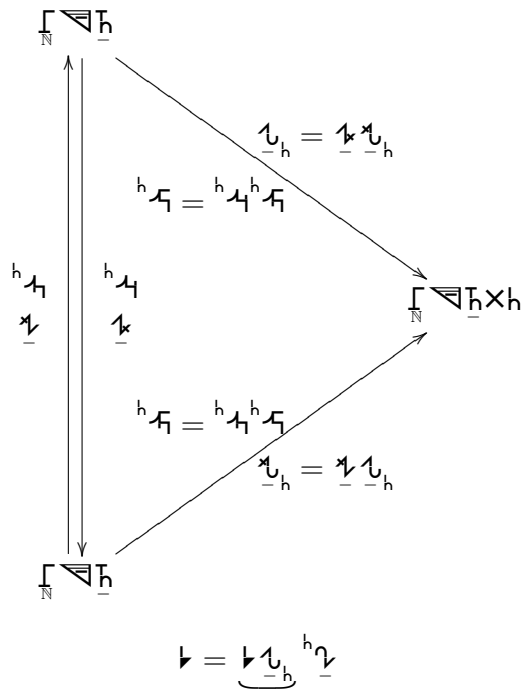
$$\mathcal{L} \mathcal{L}' = \begin{cases} \mathcal{L}'_{h_{2i}^0} \mathcal{L}'_{h_{2i}^1} = \mathcal{L}'_{h_{2i}^0} \mathcal{L}'_{h_{2i}^1} \\ \mathcal{L}'_{\mathcal{L}} \mathcal{L}'_{\mathcal{L}} = \mathcal{L}'_{\mathcal{L}} \mathcal{L}'_{\mathcal{L}} \end{cases}$$

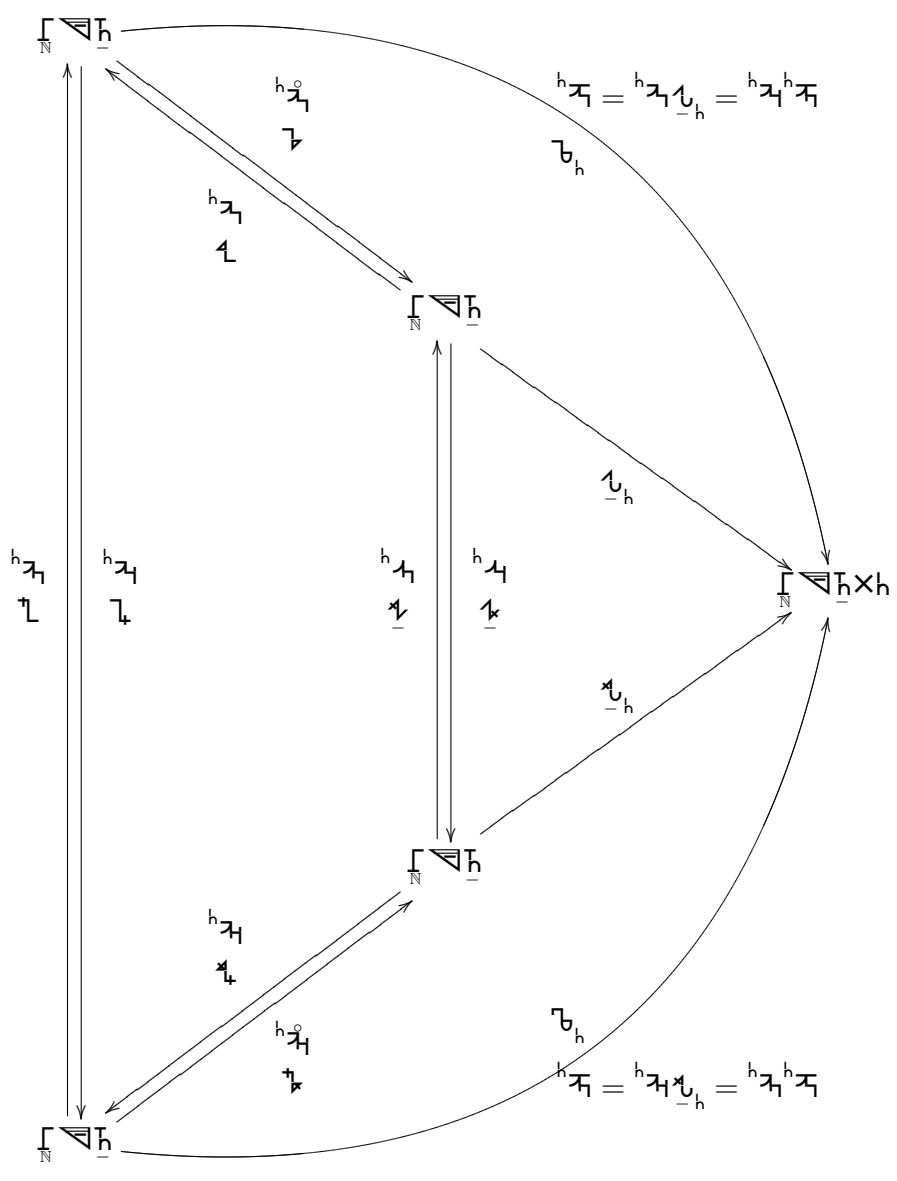
$$\begin{cases} \mathcal{L}'_{h_{2i}^0} = \mathcal{L}'_{h_{2i}^0} \mathcal{L}'_{h_{2i}^1} = \mathcal{L}'_{h_{2i}^0} \mathcal{L}'_{h_{2i}^1} \\ \mathcal{L}'_{\mathcal{L}} = \mathcal{L}'_{\mathcal{L}} \mathcal{L}'_{\mathcal{L}} = \mathcal{L}'_{\mathcal{L}} \mathcal{L}'_{\mathcal{L}} \end{cases}$$

$$\begin{cases} \mathcal{L}'_{h_{2i}^1} = \mathcal{L}'_{h_{2i}^1} \mathcal{L}'_{h_{2i}^0} = \mathcal{L}'_{h_{2i}^1} \mathcal{L}'_{h_{2i}^0} \\ \mathcal{L}'_{\mathcal{L}} = \mathcal{L}'_{\mathcal{L}} \mathcal{L}'_{\mathcal{L}} = \mathcal{L}'_{\mathcal{L}} \mathcal{L}'_{\mathcal{L}} \end{cases}$$

$$\begin{cases} \mathcal{L}'_{h_{2i}^0} = \mathcal{L}'_{h_{2i}^0} \mathcal{L}'_{h_{2i}^1} = \mathcal{L}'_{h_{2i}^0} \mathcal{L}'_{h_{2i}^1} \\ \mathcal{L}'_{\mathcal{L}} = \mathcal{L}'_{\mathcal{L}} \mathcal{L}'_{\mathcal{L}} = \mathcal{L}'_{\mathcal{L}} \mathcal{L}'_{\mathcal{L}} \end{cases}$$

$$\begin{cases} \mathcal{L}'_{h_{2i}^1} = \mathcal{L}'_{h_{2i}^1} \mathcal{L}'_{h_{2i}^0} = \mathcal{L}'_{h_{2i}^1} \mathcal{L}'_{h_{2i}^0} \\ \mathcal{L}'_{\mathcal{L}} = \mathcal{L}'_{\mathcal{L}} \mathcal{L}'_{\mathcal{L}} = \mathcal{L}'_{\mathcal{L}} \mathcal{L}'_{\mathcal{L}} \end{cases}$$





$$\begin{aligned}
 \tau &= \begin{cases} \tau_{h\tau_1} \circ h\tau_1 \\ \tau_{\tau_h} \circ h\tau_1 \end{cases} \\
 \begin{cases} \tau_{h\tau_1} = \tau_{h\tau_1} \circ \tau_h \\ \tau_{\tau_h} = \tau_{\tau_h} \circ \tau_h \end{cases} \\
 \tau_{\tau_h} &= \begin{cases} \tau_{h\tau_1} \circ h\tau_1 \\ \tau_{\tau_h} \circ \tau_h \end{cases}
 \end{aligned}$$

$$\begin{cases} \downarrow^{h_2} & = \downarrow^{h_2} \circ h_1 \\ \downarrow^{h_3} & = \downarrow^{h_3} \circ h_2 \end{cases}$$

$$\begin{cases} \downarrow^{h_4} & = \downarrow^{h_4} \circ h_3 \\ \downarrow^{h_5} & = \downarrow^{h_5} \circ h_4 \end{cases}$$

