

$$\mathbb{C}^{2^n} \xrightarrow{\quad \mathbb{L} \quad} \Gamma_{\mathbb{N}} \underline{\mathbb{H}}$$

$\Gamma_{\mathbb{N}} \underline{\mathbb{H}} \ni \mathbb{L}$ Standardbasis

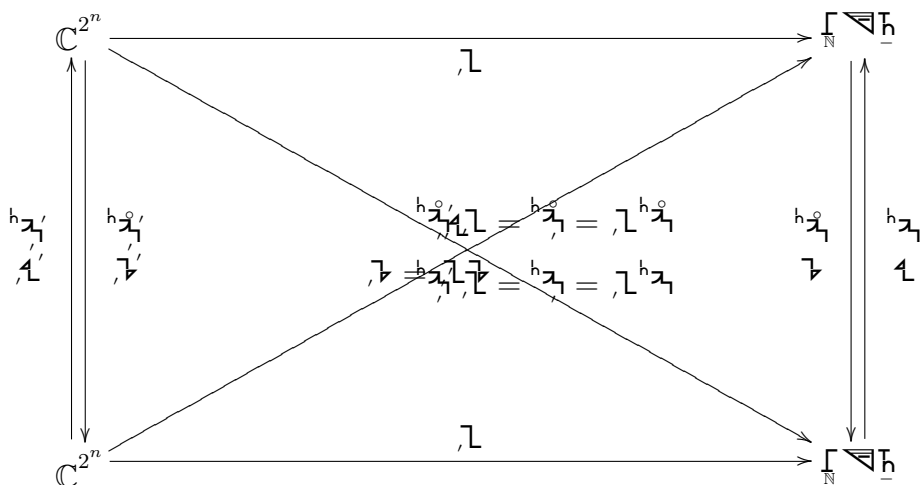
$${}_I \mathbb{L} \times {}_J \mathbb{L} = {}_I \mathbb{L} \eta \quad {}_J \mathbb{L}^* = {}_I \mathbb{L} \eta \quad \mathbb{L}^J = \eta^J$$

$$\mathbb{L}' = \underline{\mathbb{L}'} \mathbb{L}'$$

$${}_M \delta^N = {}_M \mathbb{L} \mathbb{L}^N$$

$$\mathbb{L}' = \underline{\mathbb{L}'} \mathbb{L}' \delta^J = {}_I \mathbb{L}$$

$${}_J \mathbb{L}^* = {}_I \mathbb{L} \mathbb{L}^J$$



$${}_I \mathbb{L} \times {}_J \mathbb{L} = \begin{cases} {}_I \mathbb{L} h_{\mathbb{L}'} {}_J \mathbb{L}^* = h_{\mathbb{L}'} \mathbb{L}^J \\ {}_I \mathbb{L} h_{\mathbb{L}} {}_J \mathbb{L}^* = {}_I \mathbb{L} h_{\mathbb{L}} \mathbb{L}^J = h_{\mathbb{L}} \mathbb{L}^J \end{cases}$$

$$\Gamma_{\mathbb{N}} \underline{\mathbb{H}} \ni \begin{cases} h_{\mathbb{L}'} = {}_I \mathbb{L} h_{\mathbb{L}'} \\ h_{\mathbb{L}} = {}_I \mathbb{L} h_{\mathbb{L}} \end{cases} \text{ ONBasis}$$

$$\begin{cases} h_{\mathbb{L}'} = \mathbb{L}^I h_{\mathbb{L}'} \\ h_{\mathbb{L}} = \mathbb{L}^I h_{\mathbb{L}} \end{cases}$$

$$\begin{cases} h_{\mathbb{L}'} \times h_{\mathbb{L}'} = h_{\mathbb{L}'} h_{\mathbb{L}'} h_{\mathbb{L}'}^* = h_{\mathbb{L}'} h_{\mathbb{L}'} \eta h_{\mathbb{L}'}^* h_{\mathbb{L}'}^* = h_{\mathbb{L}'} h_{\mathbb{L}'} \eta h_{\mathbb{L}'}^* h_{\mathbb{L}'}^* = \mathbb{L} h_{\mathbb{L}'} h_{\mathbb{L}'} \eta h_{\mathbb{L}'}^* h_{\mathbb{L}'}^* = \mathbb{L} h_{\mathbb{L}'} h_{\mathbb{L}'} \eta h_{\mathbb{L}'}^* h_{\mathbb{L}'}^* \mathbb{L}^* = \mathbb{L} \eta \mathbb{L}^* = {}_I \mathbb{L} \eta \mathbb{L}^* = {}_I \mathbb{L} \eta \mathbb{L}^* \\ h_{\mathbb{L}} \times h_{\mathbb{L}} = h_{\mathbb{L}} h_{\mathbb{L}} h_{\mathbb{L}}^* = h_{\mathbb{L}} h_{\mathbb{L}} \eta h_{\mathbb{L}}^* h_{\mathbb{L}}^* = h_{\mathbb{L}} h_{\mathbb{L}} \eta h_{\mathbb{L}}^* h_{\mathbb{L}}^* = \mathbb{L} h_{\mathbb{L}} h_{\mathbb{L}} \eta h_{\mathbb{L}}^* h_{\mathbb{L}}^* = \mathbb{L} h_{\mathbb{L}} h_{\mathbb{L}} \eta h_{\mathbb{L}}^* h_{\mathbb{L}}^* \mathbb{L}^* = \mathbb{L} \eta \mathbb{L}^* = {}_I \mathbb{L} \eta \mathbb{L}^* = {}_I \mathbb{L} \eta \mathbb{L}^* \end{cases}$$

$$\mathbf{L}' = \begin{cases} \underline{\mathbf{L}}^{\circ} \mathbf{h}' \\ \underline{\mathbf{L}}' \mathbf{A}' \end{cases}$$

$${}_I \mathbf{0}^J = \begin{cases} \mathbf{h}'_I \mathbf{h}'_J \\ \mathbf{L}' \mathbf{A}' \end{cases}$$

$$\mathbf{V}' = \begin{cases} \underline{\mathbf{V}}^{\circ} \mathbf{h}' \\ \underline{\mathbf{V}}' \mathbf{A}' \end{cases}$$

$${}_M \mathbf{0}^N = \begin{cases} \mathbf{h}'_M \mathbf{h}'_N \\ \mathbf{A}' \mathbf{V}' \end{cases}$$

$$\mathbf{L}' \mathbf{L} = \begin{cases} \underline{\mathbf{L}}^{\circ} \mathbf{h}' \mathbf{L} = \underline{\mathbf{L}}^{\circ} \mathbf{h}' \mathbf{L} \\ \underline{\mathbf{L}}' \mathbf{A}' \mathbf{L} = \underline{\mathbf{L}}' \mathbf{A}' \mathbf{L} \end{cases}$$

$${}_I \mathbf{L} = \begin{cases} \mathbf{h}'_I \mathbf{L} = \mathbf{h}'_I \mathbf{L} \\ \mathbf{L}' \mathbf{A}' = \mathbf{L}' \mathbf{A}' \end{cases}$$

$$\mathbf{V}' \mathbf{L} = \begin{cases} \underline{\mathbf{V}}^{\circ} \mathbf{h}' \mathbf{L} = \underline{\mathbf{V}}^{\circ} \mathbf{h}' \mathbf{L} \\ \underline{\mathbf{V}}' \mathbf{A}' \mathbf{L} = \underline{\mathbf{V}}' \mathbf{A}' \mathbf{L} \end{cases}$$

$${}_M \mathbf{L} = \begin{cases} \mathbf{h}'_M \mathbf{L} = \mathbf{h}'_M \mathbf{L} \\ \mathbf{A}' \mathbf{V}' = \mathbf{A}' \mathbf{V}' \end{cases}$$

$$\begin{cases} \underline{\mathbf{L}}^{\circ} \mathbf{h}' = \underline{\mathbf{L}}' \mathbf{A}' \mathbf{L} = \underline{\mathbf{L}}^{\circ} \mathbf{h}' \mathbf{L} \\ \underline{\mathbf{L}}' \mathbf{A}' = \underline{\mathbf{L}}' \mathbf{A}' \mathbf{L} = \underline{\mathbf{L}}' \mathbf{A}' \mathbf{L} \end{cases}$$

$$\begin{cases} \mathbf{h}'_I = \mathbf{L}' \mathbf{A}' \mathbf{L} = \mathbf{h}'_I \mathbf{L} \\ \mathbf{L}' \mathbf{A}' = \mathbf{L}' \mathbf{A}' \mathbf{L} = \mathbf{L}' \mathbf{A}' \mathbf{L} \end{cases}$$

$$\begin{cases} \underline{\mathbf{V}}^{\circ} \mathbf{h}' = \underline{\mathbf{V}}' \mathbf{A}' \mathbf{L} = \underline{\mathbf{V}}^{\circ} \mathbf{h}' \mathbf{L} \\ \underline{\mathbf{V}}' \mathbf{A}' = \underline{\mathbf{V}}' \mathbf{A}' \mathbf{L} = \underline{\mathbf{V}}' \mathbf{A}' \mathbf{L} \end{cases}$$

$$\begin{cases} \mathbf{h}'_M = \mathbf{A}' \mathbf{V}' \mathbf{L} = \mathbf{h}'_M \mathbf{L} \\ \mathbf{A}' \mathbf{V}' = \mathbf{A}' \mathbf{V}' \mathbf{L} = \mathbf{A}' \mathbf{V}' \mathbf{L} \end{cases}$$

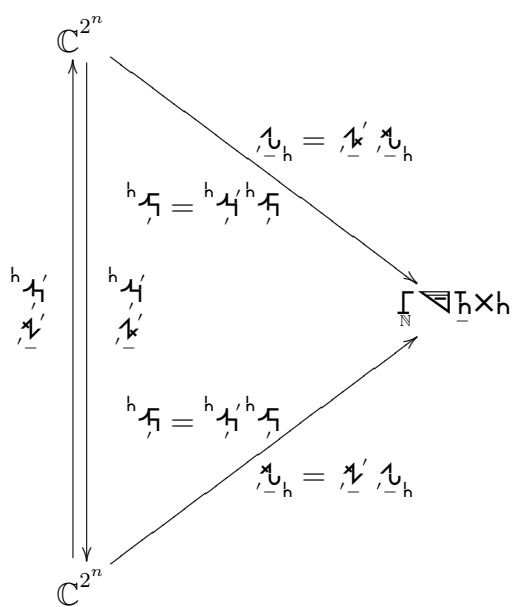
$$\begin{cases} \underline{\mathbf{L}}^{\circ} \mathbf{h}' = \underline{\mathbf{L}}' \mathbf{A}' \mathbf{L}' = \underline{\mathbf{L}}^{\circ} \mathbf{h}' \mathbf{L}' \\ \underline{\mathbf{L}}' \mathbf{A}' = \underline{\mathbf{L}}' \mathbf{A}' \mathbf{L}' = \underline{\mathbf{L}}' \mathbf{A}' \mathbf{L}' \end{cases}$$

$$\begin{cases} {}^h \mathfrak{z}_I^N = \mathfrak{z}_I^h \mathfrak{z}_I^N = {}^h \mathfrak{z}_I \mathfrak{z}_I^N \\ {}^h \mathfrak{z}_I^N = \mathfrak{z}_I^h \mathfrak{z}_I^N = \mathfrak{z}_I^h \mathfrak{z}_I^N \end{cases}$$

$$\begin{cases} {}^h \mathfrak{z}'_I = \mathfrak{z}'_I^h \mathfrak{z}'_I = {}^h \mathfrak{z}'_I \mathfrak{z}'_I \\ {}^h \mathfrak{z}'_I = \mathfrak{z}'_I^h \mathfrak{z}'_I = \mathfrak{z}'_I^h \mathfrak{z}'_I \end{cases}$$

$$\begin{cases} {}^h \mathfrak{z}_M^J = \mathfrak{z}_M^h \mathfrak{z}_M^J = {}^h \mathfrak{z}_M \mathfrak{z}_M^J \\ {}^h \mathfrak{z}_M^J = \mathfrak{z}_M^h \mathfrak{z}_M^J = \mathfrak{z}_M^h \mathfrak{z}_M^J \end{cases}$$

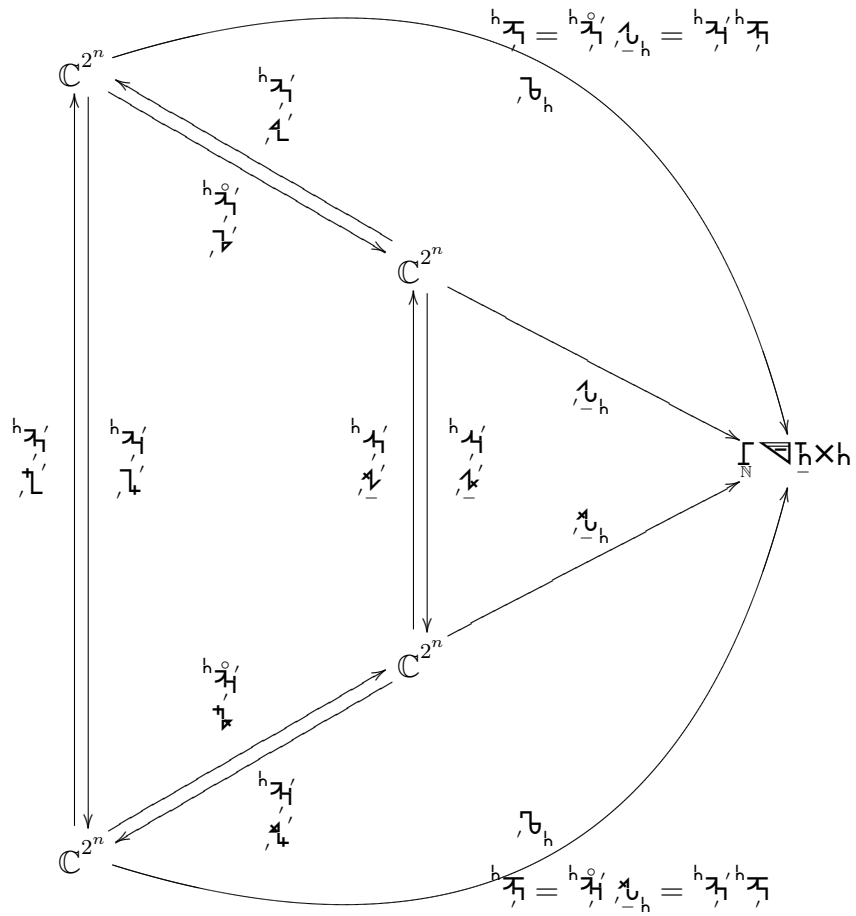
$$\mathbb{C}^{2^n} \xrightarrow{\mathfrak{z}_z} \mathbb{R}^{\mathfrak{z}_h}$$



$\mathbb{R}^{\mathfrak{z}_h} \times \mathfrak{h} \ni \mathfrak{z}'_h$ holonomic basis

$$\mathfrak{z}' = \mathfrak{z}'_h \mathfrak{z}'^h$$

$${}_M \delta^N = {}_M \mathfrak{z}'_h \mathfrak{z}'^N$$



$$\Gamma_{\mathbb{N}} \times \mathbb{H} \times \mathbb{h} \ni \begin{cases} h_{\mathcal{L}} \\ \mathcal{I} \\ \mathcal{I} \mathcal{V}_h \end{cases} \text{ ONbasis}$$

$$\mathcal{I} \mathcal{V}_h \stackrel{h}{\times} \mathcal{J} \mathcal{V}_h = \mathcal{I} \eta^J$$

$$\mathcal{L}' = \begin{cases} \mathcal{L}' h_{\mathcal{L}'} \\ \mathcal{L}' \mathcal{V}_h \end{cases}$$

$$\mathcal{I} \delta^J = \begin{cases} \mathcal{I} h_{\mathcal{L}'}^J \\ \mathcal{I} \mathcal{V}_h \end{cases}$$

$$\begin{cases} \mathcal{L}' h_{\mathcal{L}'} = \mathcal{L}' \mathcal{U}_h \\ \mathcal{L}' \mathcal{V}_h = \mathcal{L}' \mathcal{V}_h \end{cases}$$

$$\begin{cases} h_{\mathcal{L}} = h_{\mathcal{L}'}^L \mathcal{U}_h \\ \mathcal{I} \mathcal{V}_h = \mathcal{I} \mathcal{V}_h^L \end{cases}$$

$$\underline{\mathcal{L}}'_h = \begin{cases} \underline{\mathcal{L}}'^{h\mathcal{L}'}_h \\ \underline{\mathcal{L}}'_h \end{cases}$$

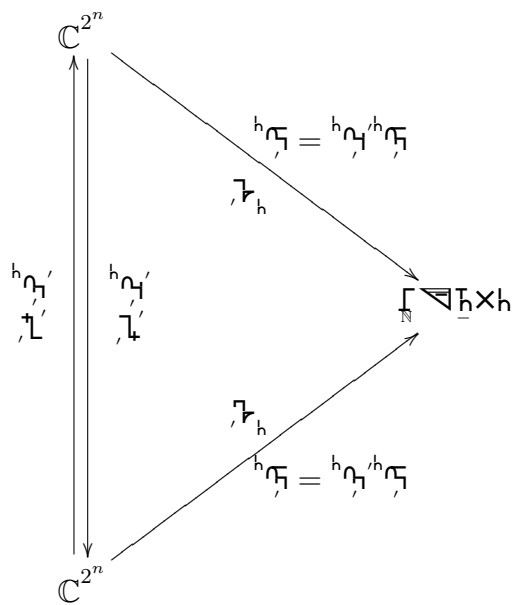
$${}^M\underline{\mathcal{L}}_h = \begin{cases} {}^M\underline{\mathcal{L}}^{K h\mathcal{L}}_h \\ {}^M\underline{\mathcal{L}}^{K \mathcal{L}}_h \end{cases}$$

$$\begin{cases} \underline{\mathcal{L}}'^{h\mathcal{L}'}_h = \underline{\mathcal{L}}'^{h\mathcal{L}}_h \\ \underline{\mathcal{L}}'_h = \underline{\mathcal{L}}_h \end{cases}$$

$$\begin{cases} \underline{\mathcal{L}}'^{h\mathcal{L}'}_h = \underline{\mathcal{L}}'^{h\mathcal{L}}_h \\ \underline{\mathcal{L}}'_h = \underline{\mathcal{L}}_h \end{cases}$$

$$\begin{cases} \underline{\mathcal{L}}'^{h\mathcal{L}'}_h = \underline{\mathcal{L}}'^{h\mathcal{L}}_h \\ \underline{\mathcal{L}}'_h = \underline{\mathcal{L}}_h \end{cases}$$

$$\begin{cases} \underline{\mathcal{L}}'^{h\mathcal{L}'}_h = \underline{\mathcal{L}}'^{h\mathcal{L}}_h \\ \underline{\mathcal{L}}'_h = \underline{\mathcal{L}}_h \end{cases}$$



$\mathbb{R}^{n \times n} \ni \underline{\mathcal{L}} \times \underline{\mathcal{L}} \ni \underline{\mathcal{L}}'_h$ Basis