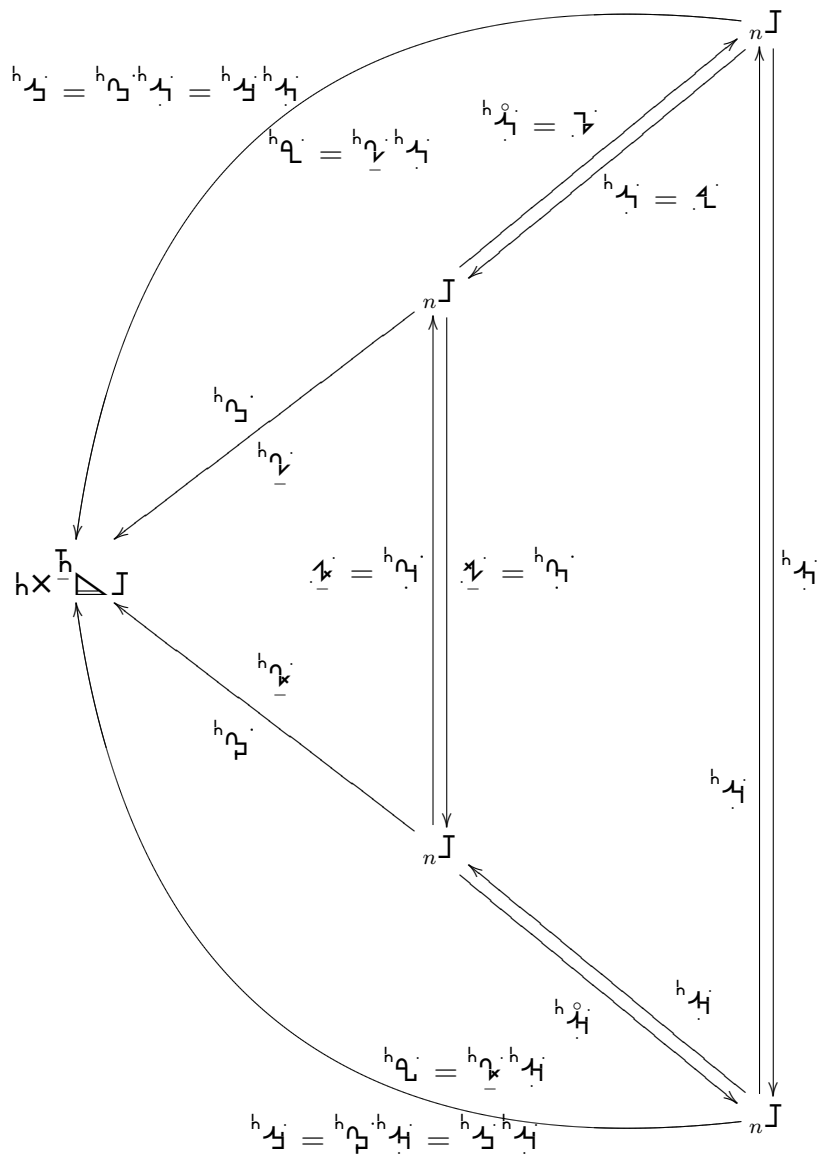


$h \times h \triangleleft J \perp h \gamma^j$ dual holonomic basis

$$h \times h \triangleleft h = \underbrace{h \gamma^i h} \times \underbrace{h \gamma^j h}$$

$$h = \underbrace{1_h}_{h} h \gamma^j h$$

$$i \delta^j = i \underbrace{1_h}_{h} h \gamma^j$$



$$h \times \overset{h}{\Delta} J \ni \begin{cases} h_{\mathcal{A}^j} & ? \\ h_{\mathcal{B}^j} & ? \end{cases} \text{ dual ONbasis}$$

$$h_{\mathcal{A}^i} \underset{h}{\times} h_{\mathcal{B}^j} = \eta^{ij}$$

$$\mathcal{A} = \begin{cases} \underbrace{h_{\mathcal{A}^i} h_{\mathcal{A}^j}} \\ \underbrace{h_{\mathcal{B}^i} h_{\mathcal{B}^j}} \end{cases}$$

$${}^i \delta^j = \begin{cases} h_{\mathcal{A}^i} h_{\mathcal{A}^j} \\ h_{\mathcal{B}^i} h_{\mathcal{B}^j} \end{cases}$$

$$\begin{cases} h_{\mathcal{A}}^{\cdot, \mathcal{H}} = h_{\mathcal{V}}^{\cdot} \underbrace{h_{\mathcal{A}}^{\cdot, \mathcal{H}}} \\ h_{\mathcal{Q}}^{\cdot, \mathcal{H}} = h_{\mathcal{V}}^{\cdot} \underbrace{h_{\mathcal{Q}}^{\cdot, \mathcal{H}}} \end{cases}$$

$$\begin{cases} h_{\mathcal{A}}^{\cdot, \mathcal{H}^j} = \mathcal{V}_i^{\cdot} h_{\mathcal{A}}^{\cdot, \mathcal{H}^j} \\ h_{\mathcal{Q}}^{\cdot, \mathcal{H}^j} = h_{\mathcal{V}_i}^{\cdot} h_{\mathcal{Q}}^{\cdot, \mathcal{H}^j} \end{cases}$$

$$h_{\mathcal{V}}^{\cdot, \mathcal{H}} = \begin{cases} h_{\mathcal{A}}^{\cdot} \underbrace{h_{\mathcal{A}}^{\cdot, \mathcal{H}}} \\ h_{\mathcal{Q}}^{\cdot} \underbrace{h_{\mathcal{Q}}^{\cdot, \mathcal{H}}} \end{cases}$$

$$h_{\mathcal{V}_i}^{\cdot, \mathcal{H}^j} = \begin{cases} h_{\mathcal{A}}^{\cdot, \mathcal{H}^j} \\ h_{\mathcal{Q}_i}^{\cdot, \mathcal{H}^j} \end{cases}$$

$$\begin{cases} h_{\mathcal{A}}^{\cdot, \mathcal{H}} = \mathcal{U}_h^{\cdot} \underbrace{h_{\mathcal{A}}^{\cdot, \mathcal{H}}} \\ h_{\mathcal{Q}}^{\cdot, \mathcal{H}} = \mathcal{U}_h^{\cdot} \underbrace{h_{\mathcal{Q}}^{\cdot, \mathcal{H}}} \end{cases}$$

$$\begin{cases} h_{\mathcal{A}_i}^{\cdot, \mathcal{H}^j} = \mathcal{U}_i^{\cdot} h_{\mathcal{A}}^{\cdot, \mathcal{H}^j} \\ h_{\mathcal{Q}_i}^{\cdot, \mathcal{H}^j} = \mathcal{U}_i^{\cdot} h_{\mathcal{Q}}^{\cdot, \mathcal{H}^j} \end{cases}$$

$$\begin{cases} h_{\mathcal{A}_i}^{\cdot, \mathcal{H}} = h_{\mathcal{A}_i}^{\cdot} \underbrace{h_{\mathcal{V}_i}^{\cdot, \mathcal{H}}} \\ h_{\mathcal{Q}_i}^{\cdot, \mathcal{H}} = \mathcal{V}_i^{\cdot} \underbrace{h_{\mathcal{V}_i}^{\cdot, \mathcal{H}}} \end{cases}$$

$$\begin{cases} h_{\mathcal{A}_i}^{\cdot, \mathcal{H}^j} = h_{\mathcal{A}_i}^{\cdot} h_{\mathcal{V}_i}^{\cdot, \mathcal{H}^j} \\ h_{\mathcal{Q}_i}^{\cdot, \mathcal{H}^j} = \mathcal{V}_i^{\cdot} h_{\mathcal{V}_i}^{\cdot, \mathcal{H}^j} \end{cases}$$