

$$\mathbb{K}^n \xrightarrow{\quad \mathcal{L} \quad} \mathbb{P}^n$$

$$\underline{h} \ni \underline{l} \text{ Standardbasis } \quad \underline{l} \otimes \underline{l} = \underline{l} \otimes \eta \quad \underline{l}^* = \underline{l} \otimes \eta \quad \underline{l}^j = \eta^j$$

$$\dot{\Gamma} = \underbrace{\dot{\Gamma} \cdot \Gamma}_{\text{}} : \quad \mu \delta^\nu = \mu \Gamma \Gamma^\nu$$

$$\mathbb{A}^{\cdot} = \underbrace{\mathbb{A}^{\cdot} \cap \mathbb{Z}^{\cdot}}_{\mathbb{A}^{\cdot}} : \quad {}_i \delta^j = {}_i \underbrace{\mathbb{Z}^*}_j = {}_i \mathbb{Z}^j$$

[illegible]

$$\mathbf{h} \ni \begin{cases} \overset{\circ}{\mathbf{h}}_i = \mathbf{h}_i^{\circ} \\ \mathbf{h}_i = \mathbf{h}_i \end{cases} \text{ ONBasis } \begin{cases} \overset{\circ}{\mathbf{h}}_i = \mathbf{h}_i^{\circ} \\ \mathbf{h}_i = \mathbf{h}_i \end{cases}$$

[illegible]

$$\mathbb{L}^{\cdot} = \left\{ \underbrace{\mathbb{L}^{\cdot \overset{h_0}{\mathcal{I}}_1} \mathbb{L}^{\cdot \mathcal{I}_1}}_{\mathbb{L}^{\cdot \mathcal{I}_1}} : {}_i \mathcal{O}^j = \begin{cases} \mathbb{L}^{\cdot \mathcal{I}_1} \mathbb{L}^{\cdot \mathcal{I}_1^j} \\ \mathbb{L}^{\cdot \mathcal{I}_1^j} \mathbb{L}^{\cdot} \end{cases}$$

$$\mathbb{A}^{\circ} = \left\{ \begin{array}{c} \text{h}^{\circ} \text{h}^{\circ} \\ \text{h}^{\circ} \text{h}^{\circ} \end{array} \right\} : \mu \delta^{\nu} = \left\{ \begin{array}{c} \text{h}^{\circ} \text{h}^{\circ} \text{h}^{\circ} \\ \text{h}^{\circ} \text{h}^{\circ} \text{h}^{\circ} \end{array} \right\}$$

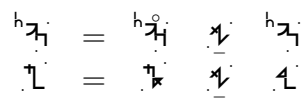
$$\mathbb{L} \cdot \mathbb{L} = \begin{cases} \underbrace{\mathbb{L} \overset{\circ}{\mathbb{L}} \mathbb{L}}_{\mathbb{L}} = \underbrace{\mathbb{L} \overset{\circ}{\mathbb{L}} \mathbb{L}}_{\mathbb{L}} \\ \underbrace{\mathbb{L} \cdot \mathbb{L}}_{\mathbb{L}} = \underbrace{\mathbb{L} \cdot \mathbb{L}}_{\mathbb{L}} \end{cases} \quad \mathbb{L} = \begin{cases} \mathbb{L} \overset{\circ}{\mathbb{L}} \mathbb{L} = \mathbb{L} \overset{\circ}{\mathbb{L}} \mathbb{L} \\ \mathbb{L} \overset{\circ}{\mathbb{L}} \mathbb{L} = \mathbb{L} \overset{\circ}{\mathbb{L}} \mathbb{L} \end{cases}$$

$$\begin{aligned}
\mathcal{B}^{\cdot}\mathcal{L} &= \left\{ \underbrace{\mathcal{B}^{\cdot}\mathcal{A}_i}_{\mathcal{B}^{\cdot}\mathcal{A}}\mathcal{L}^{\circ} = \underbrace{\mathcal{B}^{\cdot}\mathcal{A}_i}_{\mathcal{B}^{\cdot}\mathcal{A}}\mathcal{L}^{\circ} \right. & \mu\mathcal{L} &= \left\{ \mathcal{A}_{\mu}^k\mathcal{L}_k^{\circ} = \mathcal{A}_{\mu}^k\mathcal{L}^{\circ} \right. \\
& \left. \underbrace{\mathcal{B}^{\cdot}\mathcal{A}}_{\mathcal{B}^{\cdot}\mathcal{A}}\mathcal{L}^{\circ} = \underbrace{\mathcal{B}^{\cdot}\mathcal{A}}_{\mathcal{B}^{\cdot}\mathcal{A}}\mathcal{L}^{\circ} \right. & & \left. \mathcal{A}_{\mu}^k\mathcal{L}_k^{\circ} = \mathcal{A}_{\mu}^k\mathcal{L}^{\circ} \right. \\
\left\{ \mathcal{L}^{\circ} \right. &= \underbrace{\mathcal{L}^{\circ}}_{\mathcal{L}^{\circ}}\mathcal{L}^{\circ} = \underbrace{\mathcal{L}^{\circ}}_{\mathcal{L}^{\circ}}\mathcal{L}^{\circ} & \left\{ \mathcal{L}_i^{\circ} \right. &= \mathcal{L}_i^{\circ}\mathcal{L}^{\circ} = \mathcal{L}_i^{\circ}\mathcal{L}^{\circ} \\
& \left. \underbrace{\mathcal{L}^{\circ}}_{\mathcal{L}^{\circ}}\mathcal{L}^{\circ} = \underbrace{\mathcal{L}^{\circ}}_{\mathcal{L}^{\circ}}\mathcal{L}^{\circ} \right. & & \left. \mathcal{L}_i^{\circ} = \mathcal{L}_i^{\circ}\mathcal{L}^{\circ} = \mathcal{L}_i^{\circ}\mathcal{L}^{\circ} \right. \\
\left\{ \mathcal{B}^{\cdot}\mathcal{A}_i \right. &= \underbrace{\mathcal{B}^{\cdot}\mathcal{A}_i}_{\mathcal{B}^{\cdot}\mathcal{A}}\mathcal{L}^{\circ} = \underbrace{\mathcal{B}^{\cdot}\mathcal{A}_i}_{\mathcal{B}^{\cdot}\mathcal{A}}\mathcal{L}^{\circ} & \left\{ \mathcal{A}_{\mu}^k \right. &= \mathcal{A}_{\mu}^k\mathcal{L}^{\circ} = \mathcal{A}_{\mu}^k\mathcal{L}^{\circ} \\
& \left. \underbrace{\mathcal{B}^{\cdot}\mathcal{A}}_{\mathcal{B}^{\cdot}\mathcal{A}}\mathcal{L}^{\circ} = \underbrace{\mathcal{B}^{\cdot}\mathcal{A}}_{\mathcal{B}^{\cdot}\mathcal{A}}\mathcal{L}^{\circ} \right. & & \left. \mathcal{A}_{\mu}^k = \mathcal{A}_{\mu}^k\mathcal{L}^{\circ} = \mathcal{A}_{\mu}^k\mathcal{L}^{\circ} \right. \\
\left\{ \mathcal{L}^{\circ} \right. &= \underbrace{\mathcal{L}^{\circ}}_{\mathcal{L}^{\circ}}\mathcal{L}^{\circ} = \underbrace{\mathcal{L}^{\circ}}_{\mathcal{L}^{\circ}}\mathcal{L}^{\circ} & \left\{ \mathcal{L}_i^{\circ} \right. &= \mathcal{L}_i^{\circ}\mathcal{L}^{\circ} = \mathcal{L}_i^{\circ}\mathcal{L}^{\circ} \\
& \left. \underbrace{\mathcal{L}^{\circ}}_{\mathcal{L}^{\circ}}\mathcal{L}^{\circ} = \underbrace{\mathcal{L}^{\circ}}_{\mathcal{L}^{\circ}}\mathcal{L}^{\circ} \right. & & \left. \mathcal{L}_i^{\circ} = \mathcal{L}_i^{\circ}\mathcal{L}^{\circ} = \mathcal{L}_i^{\circ}\mathcal{L}^{\circ} \right. \\
\left\{ \mathcal{B}^{\cdot}\mathcal{A}_i \right. &= \underbrace{\mathcal{B}^{\cdot}\mathcal{A}_i}_{\mathcal{B}^{\cdot}\mathcal{A}}\mathcal{L}^{\circ} = \underbrace{\mathcal{B}^{\cdot}\mathcal{A}_i}_{\mathcal{B}^{\cdot}\mathcal{A}}\mathcal{L}^{\circ} & \left\{ \mathcal{A}_{\mu}^j \right. &= \mathcal{A}_{\mu}^j\mathcal{L}^{\circ} = \mathcal{A}_{\mu}^j\mathcal{L}^{\circ} \\
& \left. \underbrace{\mathcal{B}^{\cdot}\mathcal{A}}_{\mathcal{B}^{\cdot}\mathcal{A}}\mathcal{L}^{\circ} = \underbrace{\mathcal{B}^{\cdot}\mathcal{A}}_{\mathcal{B}^{\cdot}\mathcal{A}}\mathcal{L}^{\circ} \right. & & \left. \mathcal{A}_{\mu}^j = \mathcal{A}_{\mu}^j\mathcal{L}^{\circ} = \mathcal{A}_{\mu}^j\mathcal{L}^{\circ} \right.
\end{aligned}$$

$$\mathbb{K}^n \xrightarrow{\mathcal{B}_z} \mathcal{H}$$

$$\begin{array}{ccc}
\mathbb{K}^n & & \\
\uparrow & \searrow \mathcal{L}_h = \mathcal{L}^{\circ}\mathcal{L}_h & \\
\mathcal{H} \times \mathcal{H} & & \\
\downarrow & \nearrow \mathcal{L}_h = \mathcal{L}^{\circ}\mathcal{L}_h & \\
\mathbb{K}^n & &
\end{array}$$

$$\mathcal{H} \times \mathcal{H} \ni \mathcal{L}_h \text{ holonomic basis } \mathcal{B}^{\cdot} = \underbrace{\mathcal{L}_h}_{\mathcal{L}_h}^{\cdot} : \quad \mu\delta^{\nu} = \mathcal{L}_h^{\mu}\mathcal{L}_h^{\nu}$$

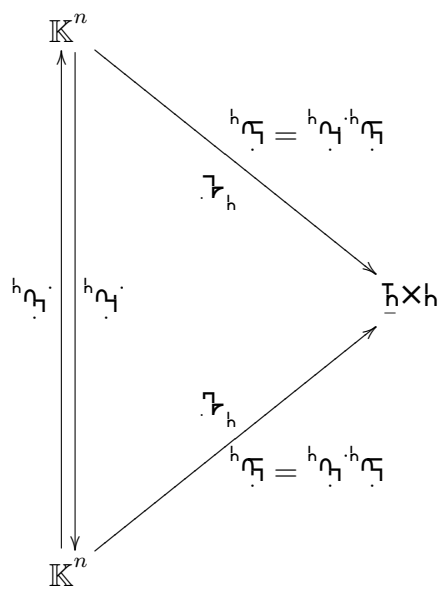


$$\mathbf{L} = \begin{Bmatrix} \mathbf{L}_{\mathbf{z}}^{\mathbf{h}\mathbf{z}} & \mathbf{L}_{\mathbf{z}}^{\mathbf{h}\mathbf{q}} \\ \mathbf{L}_{\mathbf{h}}^{\mathbf{z}\mathbf{z}} & \mathbf{L}_{\mathbf{h}}^{\mathbf{z}\mathbf{q}} \end{Bmatrix} : \quad {}_i\mathcal{D}^j = \begin{Bmatrix} \mathbf{h}\mathbf{z}_i^{\mathbf{h}\mathbf{z}^j} \\ \mathbf{h}\mathbf{z}_i^{\mathbf{h}\mathbf{q}^j} \end{Bmatrix}$$

$$\mu_{-h} = \left\{ \begin{array}{c} \underbrace{\mu_{-h}^k \mu_{-h}^k}_{\mu_{-h}^k} \\ \underbrace{\mu_{-h}^k \mu_{-h}^k}_{\mu_{-h}^k} \end{array} \right\} : \mu_{-h} = \left\{ \begin{array}{c} \mu_{-h}^k \mu_{-h}^k \\ \mu_{-h}^k \mu_{-h}^k \end{array} \right\}$$

$$\begin{cases} \mathbb{A}^{\mathbb{A}} = \mathbb{A}^{\mathbb{A}} \mathbb{A}^{\mathbb{A}} \\ \mathbb{A}^{\mathbb{A}} = \mathbb{A}^{\mathbb{A}} \mathbb{A}^{\mathbb{A}} \end{cases} \begin{cases} \mathbb{A}^{\mathbb{A}} = \mathbb{A}^{\mathbb{A}} \mathbb{A}^{\mathbb{A}} \\ \mathbb{A}^{\mathbb{A}} = \mathbb{A}^{\mathbb{A}} \mathbb{A}^{\mathbb{A}} \end{cases}$$

$$\begin{cases} \mathbb{P}^h \mathfrak{A}^j = \mathbb{P}^{\mathfrak{A}_h} \mathfrak{A}^j & \begin{cases} \mathfrak{A}^j_{\mu} = \mathfrak{A}_h \mathfrak{A}^j \\ \mathfrak{A}^j = \mathfrak{A}_h \mathfrak{A}^j_{\mu} \end{cases} \\ \mathbb{P}^h \mathfrak{A} = \mathbb{P}^{\mathfrak{A}_h} \mathfrak{A} \end{cases}$$



$$\mathfrak{P}_h = \begin{bmatrix} \mathfrak{P}_h \\ \vdots \\ \mathfrak{P}_h \end{bmatrix} \text{ Basis } \mathfrak{H} \times \mathfrak{h} \ni \mathfrak{P}_h = \mathfrak{P}_h \mathfrak{P}_h$$