

$$\begin{array}{ccc}
 \mathfrak{h}:\omega & & |_{\mathfrak{h}}\pi = |_{\mathfrak{h}}\omega \mathfrak{h}^{\mathfrak{h}} \\
 & \searrow \scriptstyle \begin{array}{c} \pi \\ \text{ondo} \end{array} & \\
 \pi \ltimes \bar{\omega} = \omega & & \bar{\mathfrak{h}}:\bar{\omega}
 \end{array}$$

$$\widehat{\mathbb{L}_{\mathfrak{h}^{\perp}}\pi}_{\mathfrak{h}\pi}\bar{\omega}\widehat{\mathbb{L}_{\mathfrak{h}^{\perp}}\pi}=\mathbb{L}_{\mathfrak{h}}\omega\mathbb{L}$$

$$\begin{cases} \mathbb{L}_{\mathfrak{h}^{\perp}}\pi=\mathfrak{t}_{\mathfrak{h}}\pi \\ \mathbb{L}_{\mathfrak{h}^{\perp}}\pi=\mathfrak{t}_{\mathfrak{h}}\pi \end{cases} \implies \begin{cases} \mathbb{L}-\mathfrak{t} \\ \mathbb{L}-\mathfrak{t} \end{cases} \in |_{\mathfrak{h}}\pi = |_{\mathfrak{h}}\omega \mathfrak{h}^{\mathfrak{h}} \implies \mathbb{L}\omega_{\mathfrak{h}}\mathbb{L}-\mathfrak{t}\omega_{\mathfrak{h}}\mathfrak{t} = \underbrace{\mathbb{L}-\mathfrak{t}}\omega_{\mathfrak{h}}\mathbb{L}+\mathfrak{t}\omega_{\mathfrak{h}}\underbrace{\mathbb{L}-\mathfrak{t}}=0$$

$$\pi \ltimes \bar{\omega} = \omega$$

$$\mathbb{L}_{\mathfrak{h}}\underbrace{\pi \ltimes \bar{\omega}}\mathbb{L}=\widehat{\mathbb{L}_{\mathfrak{h}^{\perp}}\pi}_{\mathfrak{h}\pi}\bar{\omega}\widehat{\mathbb{L}_{\mathfrak{h}^{\perp}}\pi}=\mathbb{L}_{\mathfrak{h}}\bar{\omega}\mathbb{L}$$

$$d\bar{\omega}=0$$

$$\pi \ltimes \underline{d\bar{\omega}} = d \underline{\pi \ltimes \bar{\omega}} = d\omega = 0 \stackrel{\text{ondo}}{\implies} d\bar{\omega} = 0$$

$$|_{\mathfrak{k}}\bar{\omega} \bar{\mathfrak{h}}^{\mathfrak{h}}=0$$