

$$\begin{cases} {}^n\mathbb{C}_n^{\mathfrak{D}} = {}^n\mathbb{C}_n^{\mathfrak{C}} \cap {}^{1:1}n\mathbb{R}_n^{\mathfrak{U}} \\ {}^n\mathbb{H}_n^{\mathfrak{D}} = {}^n\mathbb{H}_n^{\mathfrak{C}} \cap {}^{1:1}n\mathbb{C}_n^{\mathfrak{U}} \end{cases} \xrightarrow{\begin{array}{c|c} 0 & 1 \\ -1 & 0 \\ \hline 0 & \mathfrak{t} \\ -\mathfrak{t} & 0 \end{array}} \begin{cases} {}^{1:1}n\mathbb{R}_n^{\mathfrak{U}} \\ {}^{1:1}n\mathbb{C}_n^{\mathfrak{U}} \end{cases}$$

$$\Gamma \in {}^n\mathbb{C}_n^{\mathfrak{D}} \Rightarrow \underbrace{\Gamma}_{\mathbb{R}} \frac{1}{0} \Big| \frac{0}{-1} \underbrace{\Gamma^*}_{\mathbb{R}} = \underbrace{\Gamma}_{\mathbb{R}} \frac{0}{-1} \Big| \frac{1}{0} \underbrace{\frac{0}{1} \Big| \frac{1}{0}}_{\Gamma} \underbrace{\Gamma^*}_{\mathbb{R}} = \frac{0}{-1} \Big| \frac{1}{0} \underbrace{\underbrace{\Gamma}_{\mathbb{R}} \underbrace{\Gamma^*}_{\mathbb{R}}}_{\frac{1}{0} \Big| \frac{0}{1}} \frac{0}{1} \Big| \frac{1}{0} = \frac{0}{-1} \Big| \frac{1}{0} \frac{0}{1} \Big| \frac{1}{0} = \frac{1}{0} \Big| \frac{0}{-1}$$

$$\begin{aligned} \Gamma \in {}^n\mathbb{H}_n^{\mathfrak{D}} \Rightarrow \underbrace{\Gamma}_{\mathbb{C}} \frac{1}{0} \Big| \frac{0}{-1} \underbrace{\Gamma^*}_{\mathbb{C}} &= \underbrace{\Gamma}_{\mathbb{C}} \frac{-i}{0} \Big| \frac{0}{-i} \underbrace{\frac{i}{0} \Big| \frac{0}{-i}}_{\Gamma} \underbrace{\Gamma^*}_{\mathbb{C}} \\ &= \frac{-i}{0} \Big| \frac{0}{-i} \underbrace{\underbrace{\underbrace{\Gamma}_{\mathbb{C}} \underbrace{\Gamma^*}_{\mathbb{C}}}_{=i}}_{\mathbb{C}} = \frac{-i}{0} \Big| \frac{0}{-i} i_{\mathbb{C}} = \frac{-i}{0} \Big| \frac{0}{-i} \frac{i}{0} \Big| \frac{0}{-i} = \frac{1}{0} \Big| \frac{0}{-1} \end{aligned}$$