

$$g_{\mathbb{C}} = \frac{a}{\bar{b}} \Big| \frac{b}{\bar{a}} \in {}_{1|1} r \mathbb{C}_r^{\mathbb{U}} \cap {}_2^r \mathbb{C}_r^{\mathbb{N}}$$

$$J_{\mathbb{C}} = \frac{1}{0} \Big| \frac{0}{-1}$$

$$k_{\mathbb{C}} = \frac{a}{0} \Big| \frac{0}{\bar{a}} = \frac{a}{0} \Big| \frac{0}{\bar{a}^{-1}} \in {}_t^r \mathbb{C}_r^{\mathbb{U}}$$

$$\overset{*}{g}_{\mathbb{C}} J_{\mathbb{C}} g_{\mathbb{C}} = J_{\mathbb{C}}$$

$$g_{\mathbb{C}}^{-1} = J_{\mathbb{C}} \overset{*}{g}_{\mathbb{C}} J_{\mathbb{C}} = \frac{1}{0} \Big| \frac{0}{-1} \frac{\overset{*}{a}}{\overset{*}{b}} \Big| \frac{\overset{\dagger}{b}}{\overset{\dagger}{a}} \frac{1}{0} \Big| \frac{0}{-1} = \frac{\overset{*}{a}}{-\overset{*}{b}} \Big| \frac{-\overset{\dagger}{b}}{\overset{\dagger}{a}}$$

$$\gamma_{\mathbb{C}} = \frac{\alpha}{\bar{\beta}} \Big| \frac{\beta}{\bar{\alpha}} \in {}_{1|1} r \mathbb{C}_r^{\mathbb{U}} \cap {}_2^r \mathbb{C}_r^{\mathbb{N}}$$

$$\frac{1}{i} \Big| \frac{1}{-i} \frac{a}{\bar{b}} \Big| \frac{b}{\bar{a}} \frac{1}{1} \Big| \frac{-i}{i} = \frac{a + \bar{a} + b + \bar{b}}{i(a - \bar{a} + b - \bar{b})} \Big| \frac{i(\bar{a} - a + b - \bar{b})}{a + \bar{a} - b - \bar{b}}$$

$$\exp \frac{0}{\overset{*}{w}} \Big| \frac{w}{0} = \frac{\cosh \sqrt{w\overset{*}{w}}}{\overset{*}{w} \frac{\sinh \sqrt{w\overset{*}{w}}}{\sqrt{w\overset{*}{w}}}} \Big| \frac{\frac{\sinh \sqrt{w\overset{*}{w}}}{\sqrt{w\overset{*}{w}}} w}{\cosh \sqrt{\overset{*}{w} w}}$$

$$\frac{0}{\overset{*}{w}} \Big| \frac{w}{0} = \frac{\overbrace{w\overset{*}}^n}{0} \Big| \frac{0}{\overbrace{\overset{*}{w} w}^n} = \frac{\sqrt{w\overset{*}}^{2n}}{0} \Big| \frac{0}{\sqrt{\overset{*}{w} w}^{2n}}$$

$$\frac{0}{\overset{*}{w}} \Big| \frac{w}{0} = \frac{0}{\overbrace{\overset{*}{w} w}^n \overset{*}{w}} \Big| \frac{\overbrace{w\overset{*}}^n w}{0} = \frac{0}{\sqrt{\overset{*}{w} w}^{2n} \overset{*}{w}} \Big| \frac{\sqrt{w\overset{*}}^{2n} w}{0}$$

$$\text{LHS} = \sum_n^{\mathbb{N}} \frac{1}{(2n)!} \frac{0}{\overset{*}{w}} \Big| \frac{w}{0} + \sum_n^{\mathbb{N}} \frac{1}{(2n+1)!} \frac{0}{\overset{*}{w}} \Big| \frac{w}{0} = \text{RHS}$$