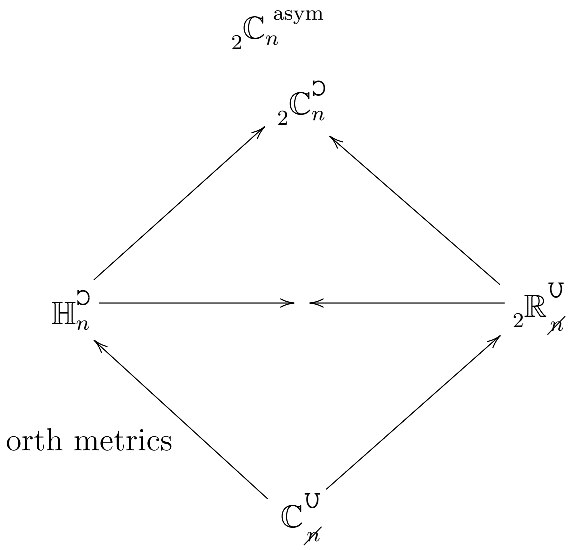
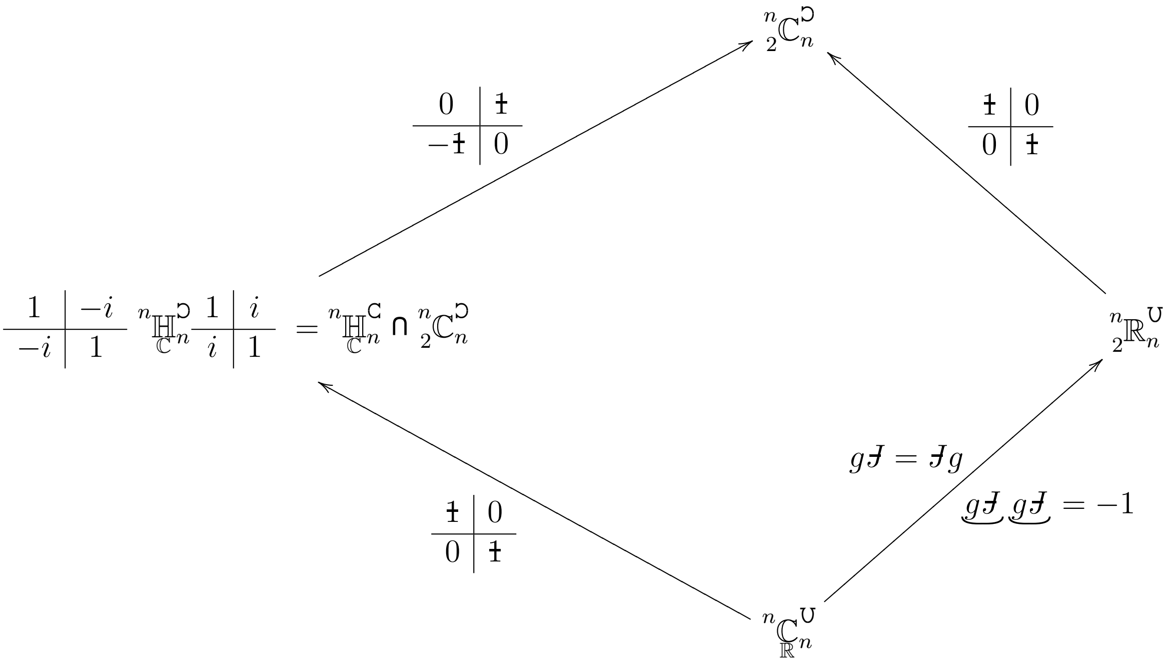
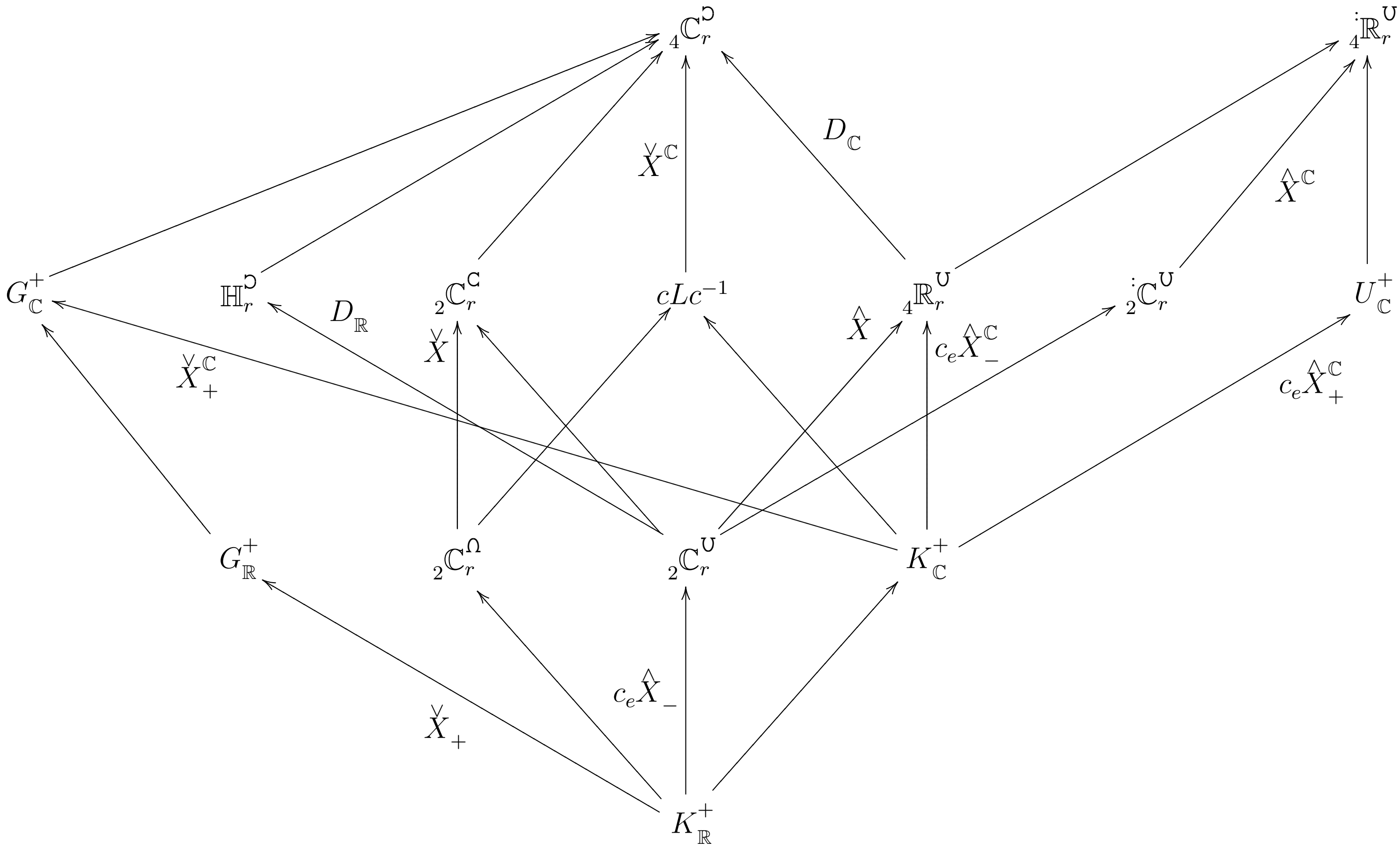


${}_2\mathbb{C}_n^{\text{asym}}$
${}_2\mathbb{C}_n^{ↄ}$
$\mathbb{H}_n^{ↄ}$
${}_2\mathbb{R}_{\not n}^{\cup}$
orth metrics
$\mathbb{C}_{\not n}^{\cup}$



${}^n_2\mathbb{C}_n^{ↄ}$
0	ƚ
−ƚ	0
ƚ	0
0	ƚ
1	−i	${}^n\mathbb{H}_n^{ↄ}$	1	i	$= {}^n\mathbb{H}_n^{\complement} \cap {}^n_2\mathbb{C}_n^{ↄ}$
−i	1	$\mathbb{C}$	i	1
${}^n_2\mathbb{R}_n^{\cup}$
$g\mathit{ɟ} = \mathit{ɟ}g$
$\underbrace{g\mathit{ɟ}}\underbrace{g\mathit{ɟ}} = -1$
| ƚ | 0 |
| 0 | ƚ |
${}^n\mathbb{C}_n^{\cup}$ $\mathbb{R}$



$$ {}^{n}_{2}\mathbb{C}^{\supset}_{n} \ni \begin{array}{c|c} a & b \\ \hline -\overset{+}{b} & d \end{array} \quad \begin{cases} a = -\overset{+}{a} \\ d = -\overset{+}{d} \end{cases} $$

$$ {}^{n}\mathbb{H}^{\supset}_{\mathbb{C}\,n} \ni \begin{array}{c|c} a & b \\ \hline -\bar{b} & \bar{a} \end{array} \quad \begin{cases} a = -\overset{+}{a} \\ b = \overset{*}{b} \end{cases} $$

$$ \begin{array}{c|c} \bar{a} & \bar{b} \\ \hline -\overset{*}{b} & \bar{d} \end{array} = \mathcal{J} \begin{array}{c|c} a & b \\ \hline -\overset{+}{b} & d \end{array} \mathcal{J}^{-1} = \begin{array}{c|c} d & \overset{+}{b} \\ \hline -b & a \end{array} \iff \begin{cases} d = \bar{a} \\ b = \overset{*}{b} \end{cases} $$

$$ {}^{n}_{2}\mathbb{R}^{\cup}_{n} \ni \begin{array}{c|c} a & b \\ \hline -\overset{+}{b} & d \end{array} \quad \begin{cases} a = -\overset{+}{a} \\ d = -\overset{+}{d} \end{cases} $$

$$ \begin{array}{c|c} \bar{a} & \bar{b} \\ \hline -\overset{*}{b} & \bar{d} \end{array} = \begin{array}{c|c} a & b \\ \hline -\overset{+}{b} & d \end{array} \iff \begin{cases} a = \bar{a} \\ b = \bar{b} \\ d = \bar{d} \end{cases} $$

$$ {}^{n}_{\mathbb{R}}\mathbb{C}^{\cup}_{n} \ni \begin{array}{c|c} a & b \\ \hline -b & a \end{array} \quad \begin{cases} a = \bar{a} = -\overset{+}{a} \\ b = \bar{b} = \overset{+}{b} \end{cases} $$

$$ \begin{array}{c|c} a & b \\ \hline -\bar{b} & \bar{a} \end{array} = \text{Ɉ} \begin{array}{c|c} a & b \\ \hline -\bar{b} & \bar{a} \end{array} \overset{-1}{\text{Ɉ}} = \begin{array}{c|c} \bar{a} & \bar{b} \\ \hline -b & a \end{array} \Leftrightarrow \begin{cases} a = \bar{a} \\ b = \bar{b} \end{cases} $$

$$ \begin{array}{c|c} a & b \\ \hline -\overset{+}{b} & d \end{array} = \text{Ɉ} \begin{array}{c|c} a & b \\ \hline -\overset{+}{b} & d \end{array} \overset{-1}{\text{Ɉ}} = \begin{array}{c|c} d & \overset{+}{b} \\ \hline -b & a \end{array} \Leftrightarrow \begin{cases} a = d \\ b = \overset{+}{b} \end{cases} $$

$$ \overbrace{\text{Ɉ} - z}^{-1} \underbrace{\text{Ɉ} + z} \in {}^{n}_{2}\mathbb{C}^{\supset}_{n} \Leftrightarrow z\,\text{Ɉ} \in {}^{n}_{2}\mathbb{C}^{\Cap}_{n} $$

$$ g = \overbrace{\text{Ɉ} - z}^{-1} \underbrace{\text{Ɉ} + z} $$

$$ \overbrace{\text{Ɉ} + z}^{-1} \underbrace{\text{Ɉ} - z} = \overset{-1}{g} = \overset{+}{g} = \underbrace{-\text{Ɉ} + \overset{+}{z}} \overbrace{-\text{Ɉ} - \overset{+}{z}}^{-1} = \underbrace{\text{Ɉ} - \overset{+}{z}} \overbrace{\text{Ɉ} + \overset{+}{z}}^{-1} $$

$$ \Leftrightarrow \text{Ɉ}\,\text{Ɉ} - z\text{Ɉ} + \text{Ɉ}\,\overset{+}{z} - z\overset{+}{z} = \underbrace{\text{Ɉ} - z}\underbrace{\text{Ɉ} + \overset{+}{z}} = \underbrace{\text{Ɉ} + z}\underbrace{\text{Ɉ} - \overset{+}{z}} = \text{Ɉ}\,\text{Ɉ} + z\text{Ɉ} - \text{Ɉ}\,\overset{+}{z} - z\overset{+}{z} \Leftrightarrow z\text{Ɉ} = \text{Ɉ}\,\overset{+}{z} = -\overbrace{z\text{Ɉ}}^{+} $$

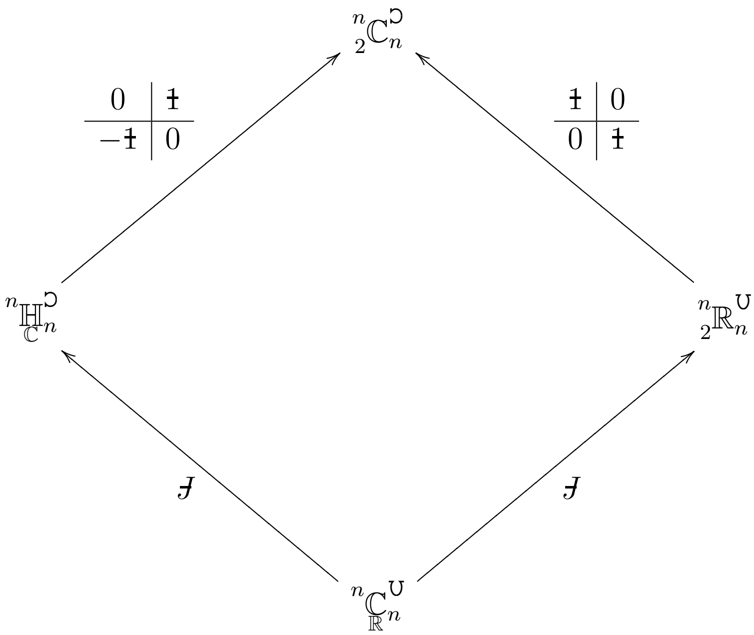
$$ \overbrace{\text{Ɉ} - z}^{-1} \underbrace{\text{Ɉ} + z} \in {}^{n}_{2}\mathbb{R}^{\cup}_{n} \Leftrightarrow z \in {}^{n}_{2}\mathbb{R}^{\Cap}_{n}\,\text{Ɉ} $$

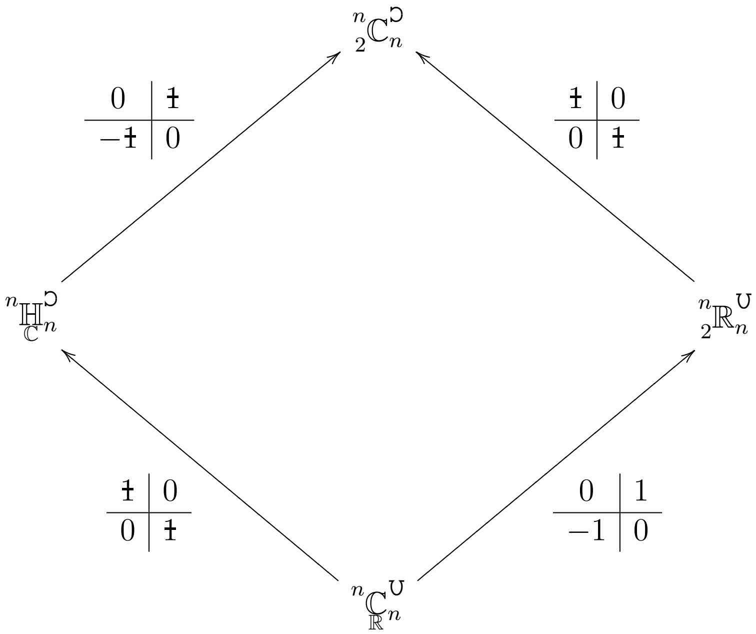
$$ z\,\text{Ɉ} = -\text{Ɉ}\,z \Leftrightarrow z = \begin{array}{c|c} a & b \\ \hline b & -a \end{array} \quad \begin{cases} a = -\overset{+}{a} \\ b = -\overset{+}{b} \end{cases} $$

$$ {}^{n}\mathbb{C}_{n}^{\Cap} \longrightarrow \frac{{}^{n}_{2}\mathbb{R}_{n}^{\cup}}{{}^{n}_{\mathbb{R}}\mathbb{C}_{n}^{\cup}} $$

$$ z \Subset {}^{n}_{2}\mathbb{C}_{n}^{\Cap} \longrightarrow {}^{n}_{2}\mathbb{C}_{n}^{\cap} \Supset \overbrace{\text{Ɉ} - z}^{-1}\underbrace{\text{Ɉ} + z} $$

$$ {}^{n}\mathbb{C}_{n}^{\Cap} \longrightarrow \frac{{}^{n}_{\mathbb{C}}\mathbb{H}_{n}^{\supset}}{{}^{n}_{\mathbb{R}}\mathbb{C}_{n}^{\cup}} $$





$$q \in {}^{n}_{2}\mathbb{R}^{\cup}_{n}$$

$$1 = q^{\vartheta} q = \begin{array}{c|c} 0 & -ǂ \\ \hline ǂ & 0 \end{array} \; q \begin{array}{c|c} 0 & ǂ \\ \hline -ǂ & 0 \end{array} \; q$$

$$\overbrace{\begin{array}{c|c} 0 & ǂ \\ \hline -ǂ & 0 \end{array} \; q}^{2} = -1$$