

$$\begin{array}{c} \square_{\underline{-}} K^{\mathbb{C}} \underset{\text{Car}}{\sqsubset} \mathbb{R}_{\underline{-}} K^{\mathbb{C}} \\ \square_{\underline{-}} K^{\mathbb{C}} \underset{\text{Car}}{\sqsubset} \underline{K}^{\mathbb{C}} \end{array}$$

$$\mathbb{R}_{\underline{-}} K^{\mathbb{C}} \sqsubset \begin{cases} K^{\mathbb{C}} \\ \underline{K}^{\mathbb{C}} \end{cases}$$

$$\begin{aligned} \mathbb{R}_{\underline{-}} K^{\mathbb{C}} &\ni b = b + t \Rightarrow b \in \mathbb{R}_{\underline{-}} K^{\mathbb{C}} \ni t : \quad \mathbb{R}_{\underline{-}} K^{\mathbb{C}} \ni 1 \\ b * 1 + t * 1 &= \underline{b+t} = \underline{b} + \underline{t} \Rightarrow b * 1 = \underline{b} : \quad t * 1 = \underline{t} \end{aligned}$$

$$\square_{\underline{-}} K^{\mathbb{T}} = K^{\mathbb{C}} \blacktriangleright \square_{\underline{-}} K^{\mathbb{C}} = \frac{b \in \underline{K}^{\mathbb{C}}}{b * \square_{\underline{-}} K^{\mathbb{C}} = 0} = \square_{\underline{-}} K^{\mathbb{C}}$$

$$\mathbb{R}_{\underline{-}} K^{\mathbb{T}} = \mathbb{R}_{\underline{-}} K^{\mathbb{C}} \blacktriangleright \mathbb{R}_{\underline{-}} K^{\mathbb{C}} = \frac{b \in \mathbb{R}_{\underline{-}} K^{\mathbb{C}}}{b * \square_{\underline{-}} K^{\mathbb{C}} = 0} = \square_{\underline{-}} K^{\mathbb{C}}$$

$$\underline{K}^{\mathbb{C}} = \square_{\underline{-}} K^{\mathbb{C}} \times \square_{\underline{-}} K^{\mathbb{C}} = \overbrace{\square_{\underline{-}} K^{\mathbb{C}} \times \square_{\underline{-}} K^{\mathbb{C}}}^{\square_{\underline{-}} K^{\mathbb{C}}} \times \square_{\underline{-}} K^{\mathbb{C}}$$

$$\square_{\underline{-}} K^{\mathbb{X}} = \mathbb{R}_{\underline{-}} K^{\mathbb{X}} = \frac{\square_{\underline{-}} K^{\mathbb{C}} = \mathbb{R}_{\underline{-}} K^{\mathbb{C}} \sqsubset \underline{K}^{\mathbb{C}}}{1 \in \square_{\underline{-}} \underline{K}^{\mathbb{C}}} = \square_{\underline{-}} K^{\mathbb{X}} \times \square_{\underline{-}} K^{\mathbb{X}}$$

$$\P_{\underline{-}} K^{\mathbb{C}} = \square_{\underline{-}} K^{\mathbb{X}}$$

$$\P_{\underline{-}} K^{\mathbb{X}} = \frac{\mathbb{R}_{\underline{-}} K^{\mathbb{C}} \sqsubset \P_{\underline{-}} K^{\mathbb{C}}}{1 \in \mathbb{R}_{\underline{-}} \underline{K}^{\mathbb{C}}} = \square_{\underline{-}} K^{\mathbb{X}} \times \square_{\underline{-}} K^{\mathbb{X}}$$

$$\mathbb{R}_{\underline{-}} K^{\mathbb{L}} = \mathbb{R}_{\underline{-}} K^{\mathbb{C}} \blacktriangleright \P_{\underline{-}} K^{\mathbb{C}} = \mathbb{R}_{\underline{-}} K^{\mathbb{C}} = \mathbb{R}_{\underline{-}} K^{\mathbb{C}} \times \underbrace{\P_{\underline{-}} K^{\mathbb{C}}}_{=0} = \mathbb{R}_{\underline{-}} K^{\mathbb{C}}$$

$$\begin{aligned}
\underline{\mathbb{R}K^C} &= \underline{\square K^C} \times \overbrace{\underline{\square K^C} \times \underline{\square K^C}}^{\mathbb{R}\underline{K^C}} = \overbrace{\underline{\square K^C} \times \underline{\square K^C}}^{\mathbb{R}\underline{K^C}} \times \underline{\square K^C} \\
&= \overbrace{\underline{\square K^C} \times \underline{\square K^C}}^{\underline{K^C}} \times \overbrace{\underline{\square K^C}}^{\mathbb{R}\underline{K^C}}
\end{aligned}$$

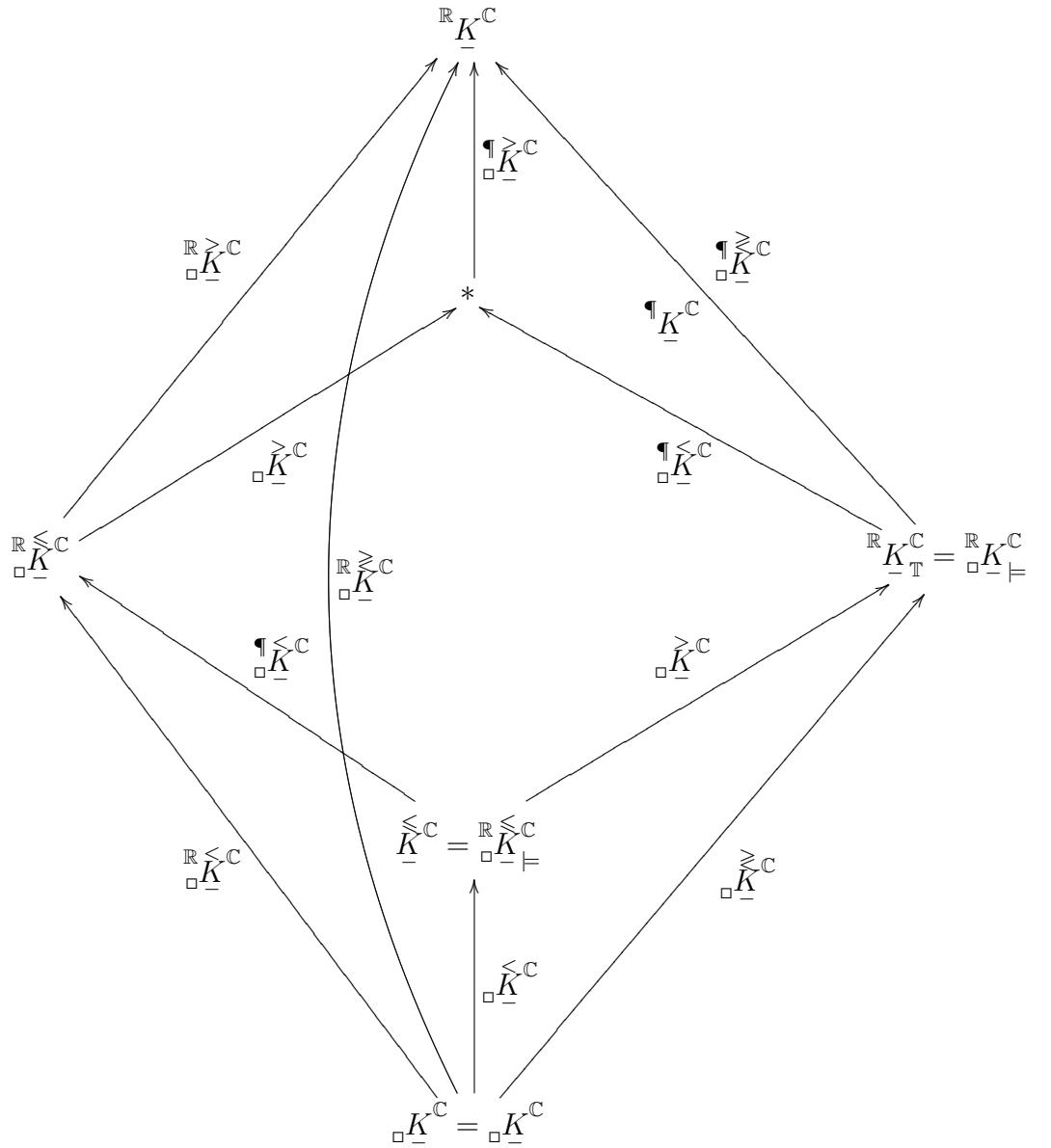
$$\underline{\mathbb{R}\underline{K^C}} \ni 1 \Rightarrow \underline{\square K^C} = \frac{\mathfrak{b} \in \underline{\mathbb{R}K^C}}{\bigwedge_{b \in \underline{\mathbb{R}K^C}} b \times 1 = \underline{1}b}$$

$$\underline{\mathbb{R}\underline{K^C}} = \frac{\underline{\square K^C}}{1 \in \underline{\square K^C}} = \overbrace{\underline{\square K^C} \times \underline{\square K^C}}^{\mathbb{R}\underline{K^C}} \times \overbrace{\underline{\square K^C} \times \underline{\square K^C}}^{\mathbb{R}\underline{K^C}}$$

$$\underline{\mathbb{R}\underline{K^C}} \sqcap \underline{\mathbb{R}K^C} = \underbrace{\underline{\square K^C}}_{\text{cpt}} \supset \underbrace{\underline{\square K^C}}_{\text{non-cpt}} \rightarrow 1$$

$$\underline{\square K^C} \sqcap \underline{\mathbb{R}K^C} = \underline{\square K^C}$$

$$\underline{\mathbb{R}\underline{K^C}} \cap \underline{\mathbb{R}K^C} = \underline{\square K^C}$$



$$R_{\bar{K}}^C \xrightarrow[\text{abel split}]{} R_{\bar{K}}^C = \text{cen } R_{\bar{K}}^{<} \xrightarrow{\exp} R_{\bar{h}}^C = \exp R_{\bar{K}}^C = \text{cen } R_{\bar{h}}^{<} \xrightarrow[\text{abel split prim}]{} R^C$$

$$R^C \supset \begin{cases} R_{\bar{h}}^{<} & \text{minibolic} \\ R_{\bar{h}}^{>} \end{cases} \left\{ \begin{array}{c} R_{\bar{h}}^{<} \\ R_{\bar{h}}^{>} \end{array} \right\}$$

$$\underbrace{R_{\bar{h}}^C}_{N \text{ abel}} \otimes [R_{\bar{K}}^C]_8 = R_{\bar{h}}^R \otimes R_{\bar{h}}^R \xrightarrow{\exp} R_{\bar{h}}^C = R_{\bar{h}}^{<} \otimes R_{\bar{h}}^{<}$$

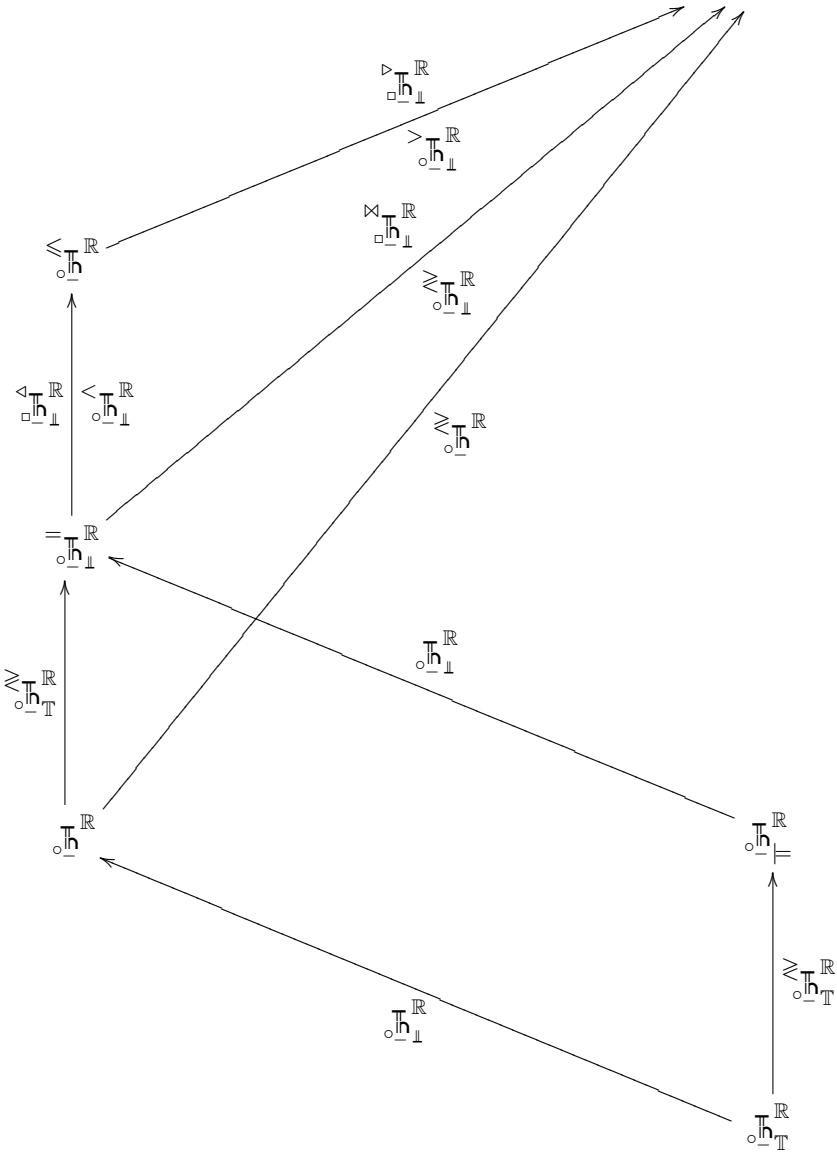
$$\max_{\mathbb{R}} K^{\mathbb{C}} \quad \boxed{=} \quad \underbrace{_{\mathbb{R}} \mathbb{h}^{\mathbb{R}}}_{2^{\mathbb{N}} \text{ abel}} \leqslant = \quad _{\mathbb{R}} \mathbb{h}^{\mathbb{R}} < \aleph \xrightarrow{\exp} \underbrace{\mathbb{h}^{\mathbb{R}}}_{2^{\mathbb{N}} \text{ abel prim}} \quad = \quad \underbrace{\mathbb{h}^{\mathbb{C}} \times \mathbb{h}^{\mathbb{C}}}_{\text{old}} \quad \max_{\mathbb{R}} \quad \mathbb{h}^{\mathbb{C}}$$

$$\text{prim} \quad \square \subset \frac{\mathbb{h}^{\mathbb{R}}}{\mathbb{h}^{\perp}} \text{ pos nc roots}$$

$$| \square | = r$$

$$\mathbb{h}^{\mathbb{R}}_{\perp} = \mathbb{h}^{\mathbb{R}}_{\perp} \blacktriangleleft \square = \frac{\nu \in \mathbb{h}^{\mathbb{R}}_{\perp}}{\nu | \square = 0} = 0$$

$$\mathbb{h}^{\mathbb{R}} = \leqslant \mathbb{h}^{\mathbb{R}} = = \mathbb{h}^{\mathbb{R}} = \mathbb{h}^{\mathbb{R}} \sqsubseteq$$



$$\begin{aligned}
& \text{co-root } \frac{\underline{\mathbb{H}}^R}{\underline{\mathbb{H}}_{\text{co-root}}} \underline{\mathbb{H}}^R \blacktriangleleft \underline{\mathbb{H}}^R = \begin{cases} \underline{\mathbb{H}}^R \blacktriangleleft \underline{\mathbb{H}}^R & \\ \frac{\underline{\mathbb{H}}^R}{\underline{\mathbb{H}}_{\text{co-root}}} & \\ \frac{\underline{\mathbb{H}}^R}{\underline{\mathbb{H}}_{\text{co-root}}} & \end{cases} = 0 \\
& = \begin{cases} \underline{\mathbb{H}}^R \blacktriangleleft \underline{\mathbb{H}}^R & \\ \frac{\underline{\mathbb{H}}^R}{\underline{\mathbb{H}}_{\text{co-root}}} & \\ \frac{\underline{\mathbb{H}}^R}{\underline{\mathbb{H}}_{\text{co-root}}} & \end{cases} = \begin{cases} \underline{\mathbb{H}}^R & \\ \frac{\underline{\mathbb{H}}^R}{\underline{\mathbb{H}}_{\text{co-root}}} & \\ \frac{\underline{\mathbb{H}}^R}{\underline{\mathbb{H}}_{\text{co-root}}} & \end{cases} = \begin{cases} \underline{\mathbb{H}}^R & \\ \frac{\underline{\mathbb{H}}^R}{\underline{\mathbb{H}}_{\text{co-root}}} & \\ \frac{\underline{\mathbb{H}}^R}{\underline{\mathbb{H}}_{\text{co-root}}} & \end{cases} = \begin{cases} \underline{\mathbb{H}}^R & \\ \frac{\underline{\mathbb{H}}^R}{\underline{\mathbb{H}}_{\text{co-root}}} & \\ \frac{\underline{\mathbb{H}}^R}{\underline{\mathbb{H}}_{\text{co-root}}} & \end{cases} \\
& \underline{\mathbb{H}}^R = \underline{\mathbb{H}}^R = \begin{cases} \underline{\mathbb{H}}^R & \\ 0 & \\ \underline{\mathbb{H}}^R & \end{cases} = \frac{\underline{\mathbb{H}}^R}{\underline{\mathbb{H}}_{\text{co-root}}} = \underline{\mathbb{H}}^R \cap \frac{\underline{\mathbb{H}}^C}{\underline{\mathbb{H}}^C} = \begin{cases} 0 & \\ \underline{\mathbb{H}}^R & \\ \underline{\mathbb{H}}^R & \end{cases} = \begin{cases} \underline{\mathbb{H}}^R & \\ \frac{\underline{\mathbb{H}}^R}{\underline{\mathbb{H}}_{\text{co-root}}} & \\ \frac{\underline{\mathbb{H}}^R}{\underline{\mathbb{H}}_{\text{co-root}}} & \end{cases} = \begin{cases} \underline{\mathbb{H}}^R & \\ \frac{\underline{\mathbb{H}}^R}{\underline{\mathbb{H}}_{\text{co-root}}} & \\ \frac{\underline{\mathbb{H}}^R}{\underline{\mathbb{H}}_{\text{co-root}}} & \end{cases} \\
& \text{cpt } \underline{\mathbb{H}}^R = \underline{\mathbb{H}}^R \max_{\text{abel}} \underline{\mathbb{H}}^R = \underline{\mathbb{H}}^R = \underline{\mathbb{H}}^R = \underline{\mathbb{H}}^R \\
& \gtrless \underline{\mathbb{H}}^R = 0 \\
& \underline{\mathbb{H}}^R = \underline{\mathbb{H}}^R = \underline{\mathbb{H}}^R \text{ fullbolic}_{\mathbb{R}} \\
& \circlearrowleft \underline{\mathbb{H}}^R = 0
\end{aligned}$$