$$2^{\ell}\ \text{choices}\ \ \square\subset\square \overset{\substack{\text{simple}\\ \text{frame}}}{\subset} \blacksquare\subset\ {}^{\ddagger}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{T}} = {}^{\ddagger}_{\square}\mathbb{H}^{\mathbb{C}}\ \text{pos}$$

$$|\ \blacksquare\ | = \ell$$

$$0 = {}_{\blacksquare}\mathbb{H}^{\mathbb{C}} \sqsubset {}_{\square}\mathbb{H}^{\mathbb{C}} = \frac{\blacktriangleright \in {}_{\square}\mathbb{H}^{\mathbb{C}}}{\blacktriangleright|\ \square = 0} = {}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{T}} \sqsubset {}_{\square}\mathbb{H}^{\mathbb{C}}\ \text{subtorus}$$

$${}_{\square}\mathbb{H}^{\mathbb{C}} = \frac{\blacktriangleright \in {}_{\square}\mathbb{H}^{\mathbb{C}}}{\blacktriangleright|\ \square = 0} = \begin{cases} {}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{T}} & = \dfrac{\blacktriangleright \in {}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{T}}}{\blacktriangleright|\ \square = 0} \\ {}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{F}} & \end{cases}$$

$${}^{\gtrless}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{F}} = {}^{\gtrless}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{F}} = \frac{{}^{\pm\mathbf{1}}_{\square}\mathbb{H}^{\mathbb{C}}}{{}^{\ddagger}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{F}} \ni \mathbf{1}} = \begin{cases} {}^{<}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{F}} & = {}^{<}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{F}} = \dfrac{{}^{-\mathbf{1}}_{\square}\mathbb{H}^{\mathbb{C}}}{{}^{\ddagger}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{F}} \ni \mathbf{1}} \\ {}^{>}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{F}} & = {}^{<}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{F}} = \dfrac{{}^{\mathbf{1}}_{\square}\mathbb{H}^{\mathbb{C}}}{{}^{\ddagger}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{F}} \ni \mathbf{1}} \end{cases}$$

$${}^{\gtrless}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{T}} = \frac{{}^{\pm\mathbf{1}}_{\square}\mathbb{H}^{\mathbb{C}}}{{}^{\ddagger}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{T}} \ni \mathbf{1} \notin <\square>} = \begin{cases} {}^{<}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{T}} & = \dfrac{{}^{-\mathbf{1}}_{\square}\mathbb{H}^{\mathbb{C}}}{{}^{\ddagger}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{T}} \ni \mathbf{1} \notin <\square>} \\ {}^{>}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{T}} & = \dfrac{{}^{\mathbf{1}}_{\square}\mathbb{H}^{\mathbb{C}}}{{}^{\ddagger}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{T}} \ni \mathbf{1} \notin <\square>} \end{cases}$$

$${}^{\gtrless}_{\square}\mathbb{H}^{\mathbb{C}} = \frac{{}^{\pm\mathbf{1}}_{\square}\mathbb{H}^{\mathbb{C}}}{{}^{\ddagger}_{\square}\mathbb{H}^{\mathbb{C}} \ni \mathbf{1} \notin <\square>} = \begin{cases} {}^{<}_{\square}\mathbb{H}^{\mathbb{C}} & = \dfrac{{}^{-\mathbf{1}}_{\square}\mathbb{H}^{\mathbb{C}}}{{}^{\ddagger}_{\square}\mathbb{H}^{\mathbb{C}} \ni \mathbf{1} \notin <\square>} \\ {}^{<}_{\square}\mathbb{H}^{\mathbb{C}} & = \dfrac{{}^{\mathbf{1}}_{\square}\mathbb{H}^{\mathbb{C}}}{{}^{\ddagger}_{\square}\mathbb{H}^{\mathbb{C}} \ni \mathbf{1} \notin <\square>} \end{cases}$$

$${}^{\bowtie}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{T}} = \frac{{}^{\pm\mathbf{1}}_{\square}\mathbb{H}^{\mathbb{C}}}{{}^{\ddagger}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{T}} \ni \mathbf{1} \in <\square>} = \begin{cases} {}^{\triangleleft}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{T}} & = \dfrac{{}^{-\mathbf{1}}_{\square}\mathbb{H}^{\mathbb{C}}}{{}^{\ddagger}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{T}} \ni \mathbf{1} \in <\square>} \\ {}^{\triangleright}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{T}} & = \dfrac{{}^{\mathbf{1}}_{\square}\mathbb{H}^{\mathbb{C}}}{{}^{\ddagger}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{T}} \ni \mathbf{1} \in <\square>} \end{cases}$$

$${}^{\gtrless}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{T}} = \frac{{}^{\pm\mathbf{1}}_{\square}\mathbb{H}^{\mathbb{C}}}{{}^{\ddagger}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{T}} \ni \mathbf{1}} = \begin{cases} {}^{<}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{T}} & = \dfrac{{}^{-\mathbf{1}}_{\square}\mathbb{H}^{\mathbb{C}}}{{}^{\ddagger}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{T}} \ni \mathbf{1}} \\ {}^{>}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{T}} & = \dfrac{{}^{\mathbf{1}}_{\square}\mathbb{H}^{\mathbb{C}}}{{}^{\ddagger}_{\square}\mathbb{H}^{\mathbb{C}}_{\mathbb{T}} \ni \mathbf{1}} \end{cases}$$

$$\overset{\geqslant}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}} = \frac{\overset{\pm 1}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}}}{\overset{\ddagger}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}} \ni 1} = \begin{cases} \overset{<}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}} & = \dfrac{\overset{-1}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}}}{\overset{\ddagger}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}} \ni 1} \\ \overset{<}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}} & = \dfrac{\overset{1}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}}}{\overset{\ddagger}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}} \ni 1} \end{cases}$$

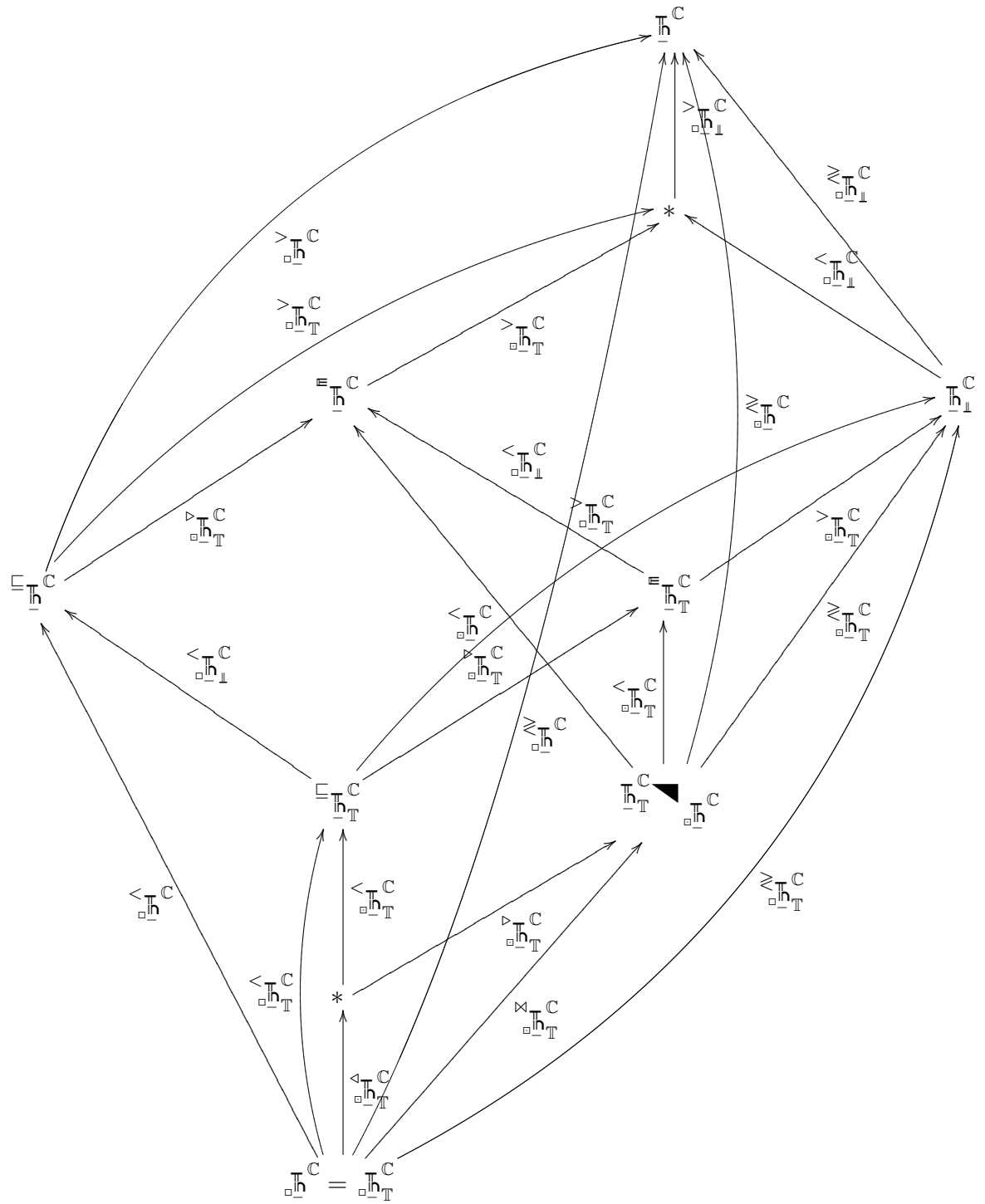
$$\overline{\underline{\mathbb{H}}}^{\mathbb{C}} = \begin{cases} \overline{\underline{\mathbb{H}}}^{\mathbb{C}} \blacktriangleleft \underset{\square}{\overline{\underline{\mathbb{H}}}}^{\mathbb{C}} & = \begin{cases} \underset{\square}{\overline{\underline{\mathbb{H}}}}^{\mathbb{C}} \\ \overset{\bowtie}{\underset{\mathbb{T}}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}}^{\mathbb{C}} & = \dfrac{\overset{\pm 1}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}}}{\overset{\ddagger}{\underset{\mathbb{T}}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}}^{\mathbb{C}} \ni 1 \in <\square>} \end{cases} \\ \overset{\geqslant}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}} & = \dfrac{\overset{\pm 1}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}}}{\overset{\ddagger}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}} \ni 1 \notin <\square>} = \begin{cases} \overset{\geqslant}{\underset{\mathbb{T}}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}}^{\mathbb{C}} & = \dfrac{\overset{\pm 1}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}}}{\overset{\ddagger}{\underset{\mathbb{T}}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}}^{\mathbb{C}} \ni 1 \notin <\square>} \\ \overset{\geqslant}{\underset{\perp}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}}^{\mathbb{C}} = \overset{\geqslant}{\underset{\perp}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}}^{\mathbb{C}} & = \dfrac{\overset{\pm 1}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}}}{\overset{\ddagger}{\underset{\perp}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}}^{\mathbb{C}} \ni 1} \end{cases} \end{cases}$$

$$\overset{=}{\underset{\mathbb{T}}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}}^{\mathbb{C}} = \begin{cases} \overset{=}{\underset{\mathbb{T}}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}}^{\mathbb{C}} = \overline{\underline{\mathbb{H}}}^{\mathbb{C}} \blacktriangleleft \underset{\mathbb{T}}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}} & = \begin{cases} \underset{\mathbb{T}}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}} \\ 0 \underset{\mathbb{T}}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}} & = \dfrac{\overset{1}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}}}{<\square> \ni 1 \in \overline{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}}} \end{cases} \\ \neq \underset{\mathbb{T}}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}} & = \dfrac{\overset{1}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}}}{<\square> \not\ni 1 \in \overline{\underset{\mathbb{T}}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}}^{\mathbb{C}}} \end{cases}$$

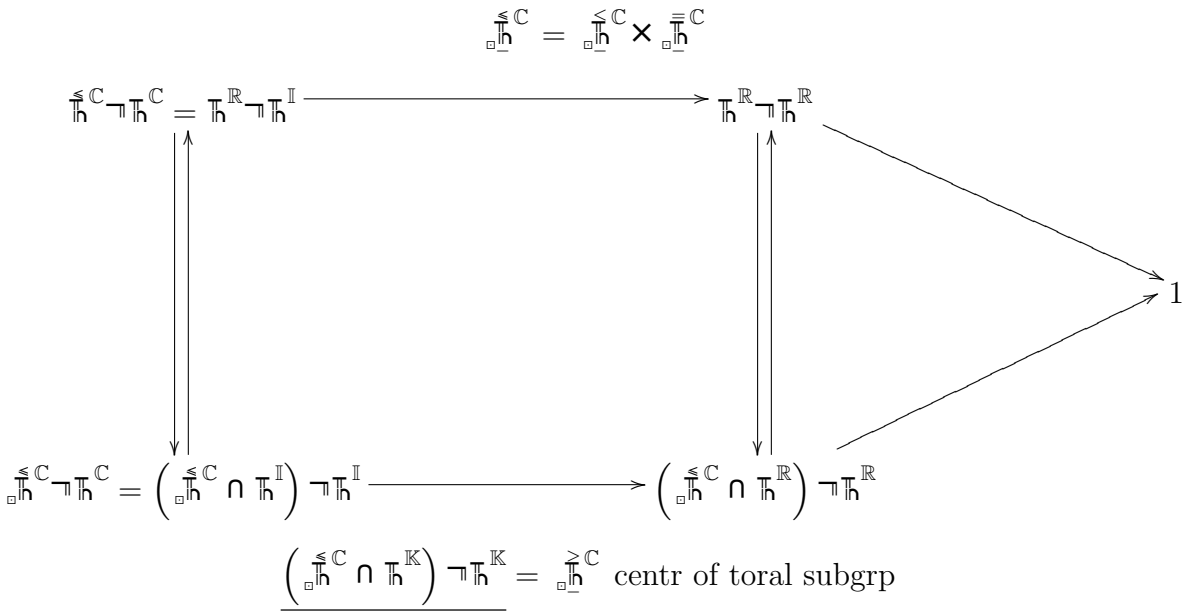
$$\blacksquare \overset{\equiv}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}} = \overline{\underline{\mathbb{H}}}^{\mathbb{C}} \blacktriangleleft_{0} = \overline{\underline{\mathbb{H}}}^{\mathbb{C}}$$

$$\overline{\underline{\mathbb{H}}}^{\mathbb{C}} = \begin{cases} \overset{<}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}} & = \begin{cases} \overset{<}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}} \\ 0 \overset{\leq}{\underset{\mathbb{T}}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}}^{\mathbb{C}} = \dfrac{\overset{-1}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}}}{\overset{\ddagger}{\underset{\mathbb{T}}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}}^{\mathbb{C}} \ni 1 \in <\square>} \end{cases} \\ \overset{=}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}} & \\ \overset{>}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}} & = \begin{cases} \overset{>}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}} \\ 0 \overset{\geq}{\underset{\mathbb{T}}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}}^{\mathbb{C}} = \dfrac{\overset{1}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}}}{\overset{\ddagger}{\underset{\mathbb{T}}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}}^{\mathbb{C}} \ni 1 \in <\square>} \end{cases} \end{cases} = \begin{cases} \overset{\leqslant}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}} \\ \overset{>}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}} \end{cases}$$

$$\overline{\underline{\mathbb{H}}}^{\mathbb{C}} \supset \begin{cases} \overset{\leqslant}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}} \\ \overset{\equiv}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}} \\ \overset{\geqslant}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}} \end{cases} = \begin{cases} \overset{\leqslant}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}} \\ \overset{\geqslant}{\underset{\square}{\overline{\underline{\mathbb{H}}}}}^{\mathbb{C}} \end{cases}$$



$$\overline{\overline{\mathbb{H}}}^{\geqslant\mathbb{C}} = \frac{\overline{\overline{\mathbb{H}}}_{1}^{\mathbb{C}}}{<\boxdot>\not\ni 1 \in \overline{\overline{\mathbb{H}}}_{>}^{\mathbb{C}}} \text{ nilp rad}$$



$\underline{\left(\underline{\underline{\mathbb{H}}}^{\leqslant\mathbb{C}} \cap \mathbb{H}^{\mathbb{K}}\right) \sqcap \mathbb{H}^{\mathbb{K}}} = \underline{\underline{\mathbb{H}}}^{\geqslant\mathbb{C}}$ centr of toral subgrp