

$$\begin{array}{l} \text{anti-cpt Cartan} \\ \vee \\ \text{abel split} \end{array} \left\{ \begin{array}{l} \mathfrak{h}^{\mathbb{R}} \max \\ \mathfrak{h}^{\mathbb{R}} \text{abel} \max \\ \mathfrak{h}^{\mathbb{C}} \max \\ \mathfrak{h}^{\mathbb{C}} \text{abel} \end{array} \right. = \mathfrak{h}^{\mathbb{R}} \times \mathfrak{h}^{\mathbb{R}} \\ = \mathfrak{h}^{\mathbb{R}} \times \mathfrak{h}^{\mathbb{R}} \\ = \mathfrak{h}^{\mathbb{C}} \times \mathfrak{h}^{\mathbb{C}}$$

$$\mathfrak{h}^{\mathbb{C}} \cup \mathfrak{h}^{\mathbb{C}} = \frac{\mathbf{1} \in \mathfrak{h}^{\mathbb{C}}}{\mathfrak{h}^{\mathbb{R}} | \mathbf{1} > 0}$$

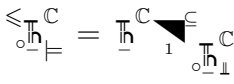
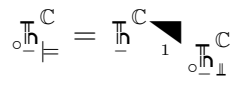
$$\mathfrak{h}^{\mathbb{C}} = \left\{ \begin{array}{l} \mathfrak{h}^{\mathbb{C}} \\ \mathfrak{h}^{\mathbb{C}} \end{array} \right\} = \frac{\mathfrak{h}^{\mathbb{C}}}{\mathbf{1} \in \mathfrak{h}^{\mathbb{C}}} = \left\{ \begin{array}{l} \mathfrak{h}^{\mathbb{C}} \\ \mathfrak{h}^{\mathbb{C}} \end{array} \right\} = \left\{ \begin{array}{l} \mathfrak{h}^{\mathbb{C}} \\ \mathfrak{h}^{\mathbb{C}} \end{array} \right\} = \frac{\mathfrak{h}^{\mathbb{C}}}{\mathbf{1} \in \mathfrak{h}^{\mathbb{C}}}$$

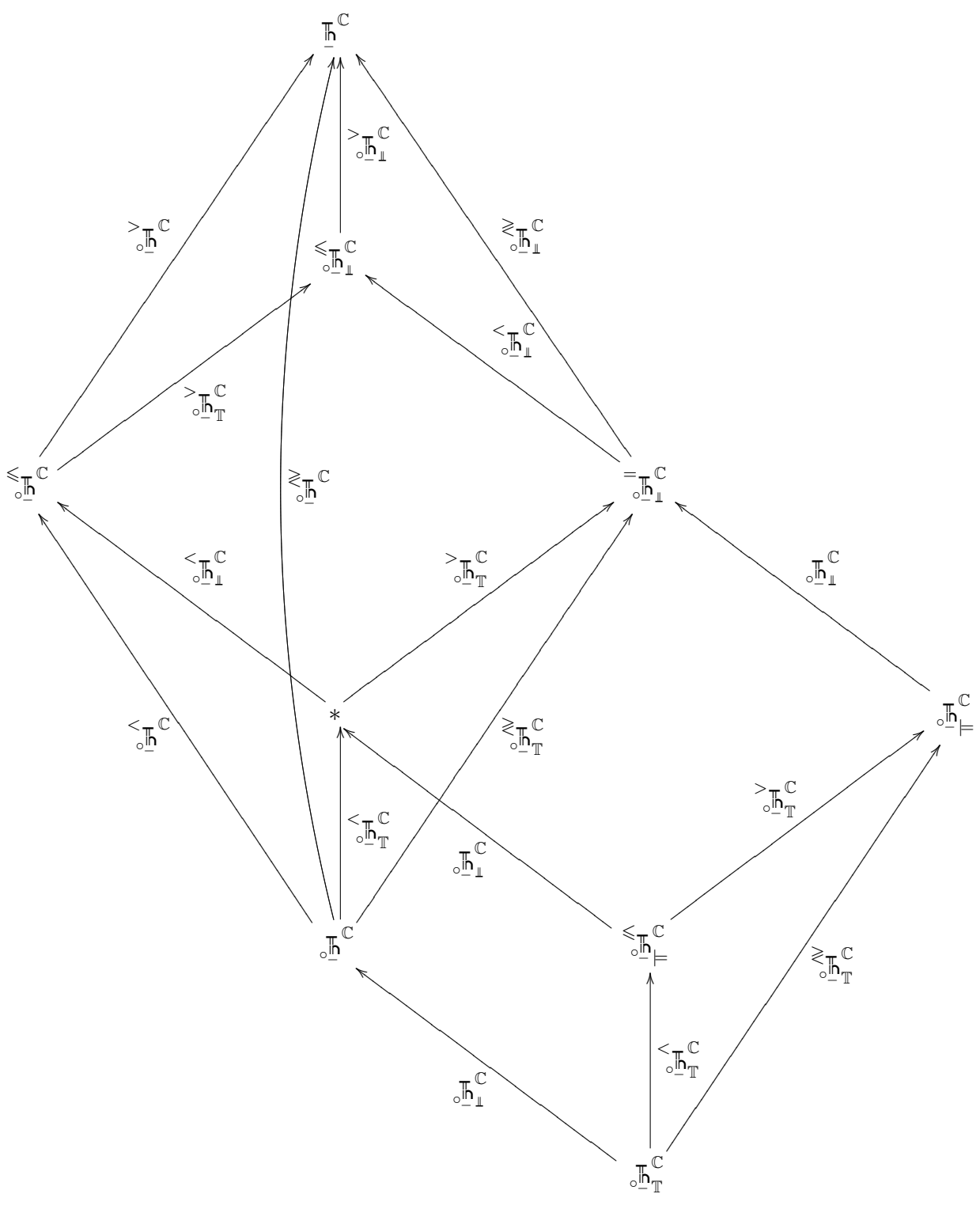
$$\mathfrak{h}^{\mathbb{C}} = \mathfrak{h}^{\mathbb{C}} \blacktriangleleft \mathfrak{h}^{\mathbb{C}} = \frac{\mathfrak{h}^{\mathbb{C}}}{\bigwedge_{\mathfrak{h}^{\mathbb{C}}} \mathfrak{h}^{\mathbb{C}} = \mathfrak{h}^{\mathbb{C}}}$$

$$\mathfrak{h}^{\mathbb{C}} \text{ anti-root} \left\{ \begin{array}{l} \mathfrak{h}^{\mathbb{C}} \\ \mathfrak{h}^{\mathbb{C}} \\ \mathfrak{h}^{\mathbb{C}} \end{array} \right\} = \left\{ \begin{array}{l} \mathfrak{h}^{\mathbb{C}} \\ \mathfrak{h}^{\mathbb{C}} \\ \mathfrak{h}^{\mathbb{C}} \end{array} \right\} = \frac{\mathfrak{h}^{\mathbb{C}}}{\mathbf{1} \in \mathfrak{h}^{\mathbb{C}}}$$

$$\text{prim } \mathfrak{h}^{\mathbb{R}} \max \frac{\mathfrak{h}^{\mathbb{R}}}{\bigwedge_{\mathfrak{h}^{\mathbb{R}}} \mathfrak{h}^{\mathbb{R}} \neq 0} \text{ Weyl chamber}$$

$$\mathfrak{h}^{\mathbb{C}} = \left\{ \begin{array}{l} \mathfrak{h}^{\mathbb{C}} \\ \mathfrak{h}^{\mathbb{C}} \end{array} \right\} = \frac{\mathfrak{h}^{\mathbb{C}}}{\mathfrak{h}^{\mathbb{C}} | \mathbf{1} = 0} \cup \frac{\mathfrak{h}^{\mathbb{C}}}{\mathfrak{h}^{\mathbb{C}} | \mathbf{1} \neq 0} = \left\{ \begin{array}{l} \mathfrak{h}^{\mathbb{C}} \\ \mathfrak{h}^{\mathbb{C}} \end{array} \right\} = \frac{\mathfrak{h}^{\mathbb{C}}}{\mathfrak{h}^{\mathbb{C}} | \mathbf{1} = 0} \\ = \mathfrak{h}^{\mathbb{C}} = \mathfrak{h}^{\mathbb{C}} \blacktriangleleft \mathfrak{h}^{\mathbb{C}}$$





$$\mathbb{H}^C = \left\{ \begin{array}{l} = \mathbb{H}^C \\ \neq \mathbb{H}^C \end{array} \right\} = \left\{ \begin{array}{l} \mathbb{H}^C \\ \frac{1 \in \mathbb{H}^C}{1 \in \mathbb{H}^C} \end{array} \right\} = \left\{ \begin{array}{l} \mathbb{H}^C \\ \mathbb{H}^C \end{array} \right\}$$

$$= \mathbb{H}^C = \mathbb{H}^C \times \frac{1 \in \mathbb{H}^C}{1 \in \mathbb{H}^C} \sqsubset \mathbb{H}^C$$

$$= \mathbb{H}^C = \mathbb{H}^C \blacktriangleleft \mathbb{H}^C \sqcup = \mathbb{H}^C = \mathbb{H}^C \blacktriangleleft \mathbb{H}^C$$

$$\left\{ \begin{array}{l} \mathbb{H}^C \\ \mathbb{H}^C \end{array} \right\} \sqsubset \mathbb{H}^C \Rightarrow \mathbb{H}^C \times \mathbb{H}^C = \mathbb{H}^C \mathbb{H}^C \Rightarrow \mathbb{H}^C | 1 = 0 \Leftrightarrow 1 \in \mathbb{H}^C \sqsubset \mathbb{H}^C \blacktriangleleft \mathbb{H}^C \Leftrightarrow 1 \in \mathbb{H}^C \sqsubset \mathbb{H}^C \blacktriangleleft \mathbb{H}^C$$

$$\mathbb{H}^C = \left\{ \begin{array}{l} \mathbb{H}^C \\ \mathbb{H}^C \end{array} \right\} = \left\{ \begin{array}{l} \mathbb{H}^C \\ \mathbb{H}^C \end{array} \right\} = \frac{-1 \in \mathbb{H}^C}{1 \in \mathbb{H}^C}$$

$$\mathbb{H}^C = \frac{1 \in \mathbb{H}^C}{1 \in \mathbb{H}^C \dagger 0}$$

$$\mathbb{H}^C = \left\{ \begin{array}{l} \mathbb{H}^C \\ \mathbb{H}^C \end{array} \right\} \text{ minibolic } \left\{ \begin{array}{l} \mathbb{H}^C \\ \mathbb{H}^C \end{array} \right\} = \frac{-1 \in \mathbb{H}^C}{1 \in \mathbb{H}^C}$$

$$\mathbb{H}^C = \frac{1 \in \mathbb{H}^C}{1 \in \mathbb{H}^C}$$

$$\mathbb{H}^C \sqsubset \mathbb{H}^C = \mathbb{H}^R \sqsubset \mathbb{H}^R \rightarrow \mathbb{H}^R \sqsubset \mathbb{H}^R \rightarrow \left(\mathbb{H}^R \mathbb{H}^R \right) \sqsubset \mathbb{H}^R$$

$$\mathbb{H}^R \sqsubset \mathbb{H}^R = \mathbb{H}^C$$