

$$\mathbb{T}^{\underline{K}} \max_{\text{abel}} \mathbb{T}^{\underline{K}}$$

$$\mathbb{T}^{\downarrow \mathbb{K}^{\mathbb{C}}}_{\underline{K}} = \mathbb{T}^{\mathbb{C}}_{\underline{K}} \blacktriangleright^{\downarrow}_{\mathbb{T}^{\mathbb{C}}_{\underline{K}}} = \frac{\mathfrak{b} \in \mathbb{T}^{\mathbb{C}}_{\underline{K}}}{\bigwedge_{\mathfrak{b} \in \mathbb{T}^{\mathbb{C}}_{\underline{K}}} \mathfrak{b} \times \mathfrak{b} = \mathfrak{b} \downarrow \mathfrak{b}}$$

$$\mathbb{T}^{\leq \mathbb{C}}_{\square \underline{K}} = \frac{\mathbb{T}^{\mathbb{C}}_{\square \underline{K}}}{\mathbb{T}^{\mathbb{C}}_{\square \underline{K}} \ni 1}; \quad \mathbb{T}^{> \mathbb{C}}_{\square \underline{K}} = \frac{\mathbb{T}^{\mathbb{C}}_{\square \underline{K}}}{\mathbb{T}^{\mathbb{C}}_{\square \underline{K}} \ni 1}$$

$$\begin{array}{ccc}
& \mathbb{T}^{\mathbb{C}}_{\underline{K}} & \\
& \nearrow \mathbb{T}^{> \mathbb{C}}_{\square \underline{K}} & \uparrow \mathbb{T}^{\neq \mathbb{C}}_{\square \underline{K}} \\
\mathbb{T}^{\leq \mathbb{C}}_{\square \underline{K}} & & \mathbb{T}^{< \mathbb{C}}_{\square \underline{K}} \\
& \searrow & \\
& \mathbb{T}^{\leq \mathbb{C}}_{\square \underline{K}} &
\end{array}$$

$$\begin{array}{ccccc}
{}^{\mathbb{T}} \bar{K}^{\mathbb{C}} & \subset & {}^{\mathbb{T}} K^{\mathbb{C}} & \xrightarrow{\hspace{2cm}} & {}^{\mathbb{T}} \bar{K}^{\mathbb{C}} \cap {}^{\mathbb{T}} K^{\mathbb{C}} \\
\cup & & \cup & & \uparrow \approx \\
{}^{\mathbb{T}} \bar{K} & \subset & {}^{\mathbb{T}} K & \xrightarrow{\hspace{2cm}} & {}^{\mathbb{T}} \bar{K} \cap {}^{\mathbb{T}} K \\
\cap & & \cap & & \downarrow \approx \\
{}^{\mathbb{T}} \bar{K}^{\mathbb{C}} & \subset & {}^{\mathbb{T}} K^{\mathbb{C}} & \xrightarrow{\hspace{2cm}} & {}^{\mathbb{T}} \bar{K}^{\mathbb{C}} \cap {}^{\mathbb{T}} K^{\mathbb{C}}
\end{array}$$

$${}^{\mathbb{T}} \bar{K}^{\mathbb{C}} \cap {}^{\mathbb{T}} K = {}^{\mathbb{T}} \bar{K} = {}^{\mathbb{T}} \bar{K}^{\mathbb{C}} \cap {}^{\mathbb{T}} K$$

$$\begin{aligned}
{}^{\mathbb{T}} \bar{K} &= \begin{cases} {}^{\mathbb{T}} K \\ \cup \frac{{}^{\mathbb{T}} \bar{K}^{\mathbb{C}} \cdot \omega}{{}^{\mathbb{T}} \bar{K}^{\mathbb{C}}} \\ \quad \quad \quad \begin{cases} {}^{\mathbb{T}} K \\ \cap \end{cases} \end{cases} \\
{}^{\mathbb{T}} \bar{K}^{\mathbb{C}} \cap {}^{\mathbb{T}} K^{\mathbb{C}} &= \cup \frac{{}^{\mathbb{T}} \bar{K}^{\mathbb{C}} \cdot \omega}{{}^{\mathbb{T}} \bar{K}^{\mathbb{C}}} \\
{}^{\mathbb{T}} \bar{K}^{\mathbb{C}} \cap {}^{\mathbb{T}} K^{\mathbb{C}} &= \cup \frac{{}^{\mathbb{T}} \bar{K}^{\mathbb{C}} \cdot \omega}{{}^{\mathbb{T}} \bar{K}^{\mathbb{C}}}
\end{aligned}$$

$${}^{\mathbb{T}} K \cap {}^{\mathbb{T}} K = {}^{\mathbb{T}} \bar{K}^{\mathbb{C}} \cap {}^{\mathbb{T}} K^{\mathbb{C}} \cup {}^{\mathbb{T}} \bar{K}^{\mathbb{C}} \cap {}^{\mathbb{T}} K^{\mathbb{C}}$$

$$\begin{aligned}
\text{length } \ell_{\omega} &= \sharp \frac{\alpha > 0}{\omega \cdot \alpha < 0} = \dim {}^{\mathbb{T}} \bar{K}^{\mathbb{C}} \cdot \omega = n - \dim {}^{\mathbb{T}} \bar{K}^{\mathbb{C}} \cdot \omega \\
&\quad {}^{\mathbb{T}} \bar{K}^{\mathbb{C}} \cdot \omega \cap {}^{\mathbb{T}} \bar{K}^{\mathbb{C}} \cdot \omega = \omega
\end{aligned}$$