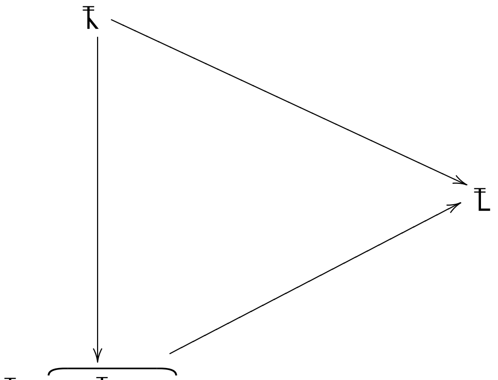
$$Ł \in \mathbb{R}^{\nu}_{0} \text{ lc VR}$$



$$Ł \sqsubseteq \overbrace{ƛ ⅂ Ł_{0} \mathbb{R}} = Ł \sqsubseteq \overbrace{ƛ_{!} Ł_{0} \mathbb{R}}$$

$$Ł \sqsubseteq \overbrace{ƛ ⅂ Ł_{0} \mathbb{R}} = \frac{⅃ \in Ł}{\bigwedge_{⅂}^{Ł_0 \mathbb{R}} ⅃⅂ \leqslant \Upsilon^{ƛ \cup 0} ⅂} = \hat{\text{co}} \underbrace{ƛ \cup 0}$$

$$ƛ \cup 0 \subset Ł \sqsubseteq \overbrace{ƛ ⅂ Ł_{0} \mathbb{R}} \underset{\text{rund}}{=} \bigcap_{⅂}^{Ł_0 \mathbb{R}} \underbrace{\frac{⅃ \in Ł}{⅃⅂ \leqslant \Upsilon^{ƛ \cup 0} ⅂}}_{\text{aff half-space}} \underset{Ł\sigma Ł^{\sharp}}{\subset} Ł$$

$$Ł \sqsubseteq \overbrace{ƛ ⅂ Ł_{0} \mathbb{R}} = \bigcap_{⅂ \in ƛ ⅂ Ł_0 \mathbb{R}} \frac{⅃ \in Ł}{⅃⅂ \leqslant 1}$$

$$\subset : \quad \begin{cases} ⅃ \in Ł \sqsubseteq \overbrace{ƛ ⅂ Ł_{0} \mathbb{R}} \\ ⅂ \in ƛ ⅂ Ł_{0} \mathbb{R} \end{cases} \Rightarrow \Upsilon^{ƛ} ⅂ \leqslant 1 \Rightarrow ⅃⅂ \leqslant \Upsilon^{ƛ \cup 0} ⅂ = 0 \vee \Upsilon^{ƛ} ⅂ \leqslant 1$$

$$\supset : \quad ϟ \bigvee_{ⱶ}^{Ł_0 \mathbb{R}} ⅃ ⱶ > \Upsilon^{ƛ \cup 0} ⱶ \Rightarrow \bigvee_{\alpha} ⅃ ⱶ > \alpha > \Upsilon^{ƛ \cup 0} ⱶ \geqslant 0 \Rightarrow ƛ | \frac{ⱶ}{\alpha} \leqslant 1 \Rightarrow \frac{ⱶ}{\alpha} \in ƛ ⅂ Ł_0 \mathbb{R} \underset{\text{Vor}}{\Rightarrow} ⅃ \frac{ⱶ}{\alpha} \leqslant 1 \underset{\alpha > 0}{\Rightarrow} ⅃ ⱶ \leqslant \alpha ϟ$$

$$\text{rund } \bar{\lambda} \subset \bar{L} \supset \bar{\kappa} \text{ rund disj } \Rightarrow \bigvee_{\urcorner}^{\bar{L} \to \mathbb{R}} \bigwedge_{\kappa}^{\bar{\kappa}} \Upsilon^{\bar{\lambda}} \urcorner \leqslant \curlywedge^{\bar{\kappa}} \urcorner \underset{\kappa\urcorner \text{ off}}{<} \kappa \urcorner$$

$$0 \notin C = \bar{\kappa} - \bar{\lambda} \subsetneq \bar{L}$$

$$e \in C$$

$$0 \in \underset{\text{rund}}{U} = C - e \subsetneq \bar{L}$$

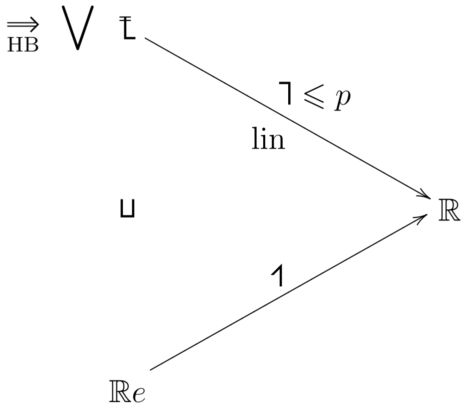
$$p(\mathsf{L}) = \inf \frac{\lambda > 0}{\mathsf{L} \in \lambda U} \text{ sublin}$$

$$\{p < 1\} \subset U \not\ni e \Rightarrow p(e) \geqslant 1$$

$$\bar{L} \supset \mathbb{R}e \xrightarrow[\text{lin}]{\mathsf{1}} \mathbb{R}$$

$$\underbrace{\lambda e}\,\mathsf{1} = \lambda$$

$$\begin{cases} \lambda \geqslant 0 \\ \lambda < 0 \end{cases} \Rightarrow \underbrace{\lambda e}\,\mathsf{1} = \lambda \begin{cases} \leqslant \lambda p(e) & = p(\lambda e) \\ < 0 & \leqslant p(\lambda e) \end{cases}$$



$$\bigwedge_{\mathsf{L}}^{U \cap \underbrace{-U}} \begin{cases} \mathsf{L}\urcorner & \leqslant p(\mathsf{L}) < 1 \\ -\underbrace{\mathsf{L}\urcorner} = \underbrace{-\mathsf{L}}\urcorner & \leqslant p(-\mathsf{L}) < 1 \end{cases} \Rightarrow \overline{|\mathsf{L}\urcorner|} < 1 \underset{-U \cap U \text{ 0-Umg}}{\Rightarrow} \urcorner \text{ stet}$$

$$\dot{\lambda} \in \bar{\lambda} \Rightarrow \lambda - \kappa + e \in U \Rightarrow \lambda\urcorner - \kappa\urcorner + 1 = \underbrace{\lambda - \kappa + e}\urcorner \leqslant p(\lambda - \kappa + e) < 1 \Rightarrow \lambda\urcorner < \kappa\urcorner$$

$$\text{disj rund } \bar{\lambda} \subset \bar{\mathrm{L}} \supset \bar{\bar{\lambda}} \text{ star cpt } \Rightarrow \bigvee_{\urcorner}^{\bar{\mathrm{L}} \searrow_0 \mathbb{R}} \overset{\bar{\lambda}}{\curlyvee} \urcorner < \overset{\bar{\bar{\lambda}}}{\curlywedge} \urcorner$$

$$0 \notin \underset{\text{rund}}{C} = \bar{\lambda} - \bar{\bar{\lambda}} \subset \underset{\mathrm{lc}\nabla\mathrm{R}}{\bar{\mathrm{L}}} \Rightarrow \bigvee_{0} \in \underset{\text{rund}}{U} \subset \bar{\mathrm{L}} \llcorner C \underset{U \cap C = \varnothing}{\Rightarrow}$$

$$\bigvee_{\urcorner}^{\bar{\mathrm{L}} \searrow_0 \mathbb{R}} \bigwedge_{\lambda}^{U} \overset{C}{\curlyvee} \urcorner \leqslant \overset{C}{\curlywedge} \urcorner < \lambda \urcorner \Rightarrow \bigvee_{\alpha} \overset{C}{\curlyvee} \urcorner \leqslant \alpha \leqslant \overset{C}{\curlywedge}$$

$$\dot{\lambda} \in \dot{\bar{\lambda}} \Rightarrow \lambda \urcorner - \not\lambda \urcorner = \underbrace{\lambda - \not\lambda}_{\in C} \urcorner \leqslant \alpha < \underset{\in U}{0} \urcorner = 0$$

$$\Rightarrow \lambda \urcorner \leqslant \alpha + \not\lambda \urcorner \Rightarrow \overset{\bar{\lambda}}{\curlyvee} \urcorner \leqslant \underset{< 0}{\alpha} + \overset{\bar{\bar{\lambda}}}{\curlywedge} \urcorner < \overset{\bar{\bar{\lambda}}}{\curlywedge} \urcorner$$

$$\hat{\mathrm{co}}\, \underbrace{\bar{\lambda} \cup 0} = \bar{\lambda}^{\infty} = \left\{ \begin{matrix} \lambda \in \bar{\mathrm{L}} \\ \lambda | \bar{\lambda}^{o} \leqslant 1 \end{matrix} \right\}$$

$$\bar{\lambda} \cup 0 \subset \underset{\text{rund}}{\bar{\lambda}}^{\infty} \underset{\bar{\mathrm{L}} \sigma \bar{\mathrm{L}}^{\sharp}}{\subset} \bar{\mathrm{L}} \Rightarrow \hat{\mathrm{co}}\, \underbrace{\bar{\lambda} \cup 0} \subset \bar{\lambda}^{\infty}$$

$$\lambda \notin \hat{\mathrm{co}}\, \underbrace{\bar{\lambda} \cup 0} \subset \bar{\mathrm{L}} \supset \{\lambda\} \text{ star cpt } \Rightarrow \bigvee_{\urcorner}^{\bar{\mathrm{L}} \searrow_0 \mathbb{R}} \overset{\bar{\lambda}}{\curlyvee} \urcorner \leqslant \overset{\hat{\mathrm{co}}\, \bar{\lambda} \cup 0}{\curlywedge} \urcorner < \lambda \urcorner \Rightarrow \lambda \notin \bar{\lambda}^{\infty}$$