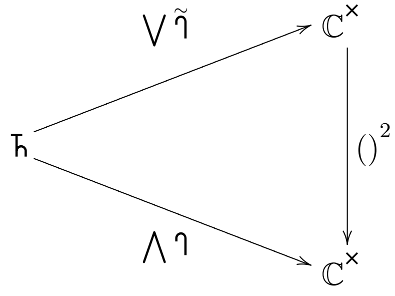
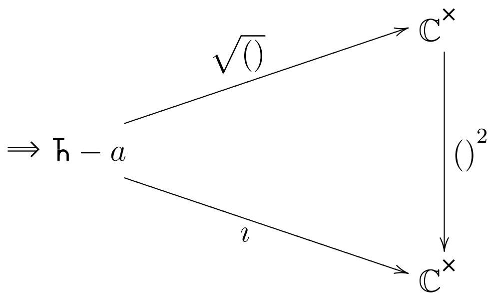
$\underset{<}{\mathbb{C}} \supset \hbar\,\underset{01}{\mathrm{prim}} \Longrightarrow$



$$\mathbb{C} \underset{\neq}{\supsetneq} \hbar \underset{01}{\mathrm{prim}} \Rightarrow \hbar \asymp \underset{<}{\mathbb{C}}$$

$$\bigvee a \in \mathbb{C} \llcorner \hbar \Rightarrow \underset{01}{\mathrm{prim}}\, \hbar - a \subset \mathbb{C} \llcorner 0$$



$$\bigvee_{r>0} \bigvee_{o} \underset{<}{\mathbb{C}}^{o}_{r} \subset \sqrt{\hbar - a}$$

$$\bigwedge_{\zeta}^{\sqrt{\hbar - a}} \overline{\zeta + o} \geqslant r$$

$$\lightning\ \overline{\zeta + o} < r \Rightarrow -\zeta \in \underset{<}{\mathbb{C}}^{o}_{r} \subset \sqrt{\hbar - a} \underset{\zeta \neq 0}{\Rightarrow} \bigvee_{z \neq w}^{\hbar - a} \begin{cases} \sqrt{z} = \zeta \\ \sqrt{w} = -\zeta \end{cases} \Rightarrow z = \sqrt{z}^{2} = \sqrt{w}^{2} = w \Rightarrow z = w\ \lightning$$

$$1|\zeta \begin{array}{c|c} 0 & 0 \\ \hline 1 & -1 \end{array} = \frac{o - \zeta}{o + \zeta}$$

$$\overline{1|\zeta \begin{array}{c|c} 0 & 0 \\ \hline 1 & -1 \end{array}} \leqslant \frac{4o}{r}$$

$$\frac{1}{\zeta + o} - \frac{1}{2o} = \frac{1}{2o} \frac{o - \zeta}{o + \zeta}$$

$$\overline{\frac{1}{\zeta + o} - \frac{1}{2o}} \leqslant \overline{\frac{1}{\zeta + o}} + \overline{\frac{1}{2o}} \leqslant \frac{2}{r}$$

$$\underset{01}{\mathrm{prim}} \sqrt{\hbar - a} \ni \zeta \xrightarrow[\text{hol inj}]{\varphi} \frac{r}{2} \left(\frac{1}{\zeta + o} - \frac{1}{2o} \right) = \frac{r}{4o} 1|\zeta \begin{array}{c|c} 0 & 0 \\ \hline 1 & -1 \end{array} \in \underset{<}{\mathbb{C}} \Rightarrow {}^{o}\varphi = 0 \in B = {}^{\sqrt{\hbar - a}}\varphi \subset \underset{<}{\mathbb{C}}$$

$$\hbar \xrightarrow{\mathrm{id}\ - a} \hbar - a \xrightarrow{F} \sqrt{\hbar - a} \xrightarrow{\begin{array}{c|c} 0 & 0 \\ \hline 1 & -1 \end{array}} \underset{<}{\mathbb{C}}_{4o/r} \xrightarrow{r/4o} \underset{<}{\mathbb{C}}$$

$$B = \frac{r}{4o}^{\sqrt{\hbar - a}} \begin{array}{c|c} 0 & 0 \\ \hline 1 & -1 \end{array}$$

$$\underset{<}{\mathbb{C}} \supset B \underset{01}{\mathrm{prim}} \Rightarrow B \asymp \underset{<}{\mathbb{C}}$$

$$\text{bes } \mathcal{F} = \frac{\gamma \in {}^{B}\underset{\omega}{\triangle} \underset{<}{\mathbb{C}}}{{}^{0}\gamma = 0: \quad \gamma \text{ inj}: \quad 1 \leqslant \overline{{}^{0}\underline{\gamma}}} \ni \imath \underset{\text{Mon}}{\Rightarrow} \mathcal{F} \text{ pre-cpt}$$

$$\mathcal{F} \subset {}^{B}\underset{\omega}{\triangle} \mathbb{C}$$

$$\imath \in \hat{\mathcal{F}} \Rightarrow \bigvee \mathcal{F} \ni \gamma_n \underset{B}{\rightsquigarrow} \gamma \Rightarrow 0 = {}^{0}\gamma_n \rightsquigarrow {}^{0}\gamma = 0$$

$$1 \leqslant \overline{{}^{0}\underline{\gamma}_n} \rightsquigarrow \overline{{}^{0}\underline{\gamma}} \geqslant 1 \Rightarrow \gamma \neq \text{ cst} : \gamma_n \text{ inj} \Rightarrow \gamma \text{ inj}$$

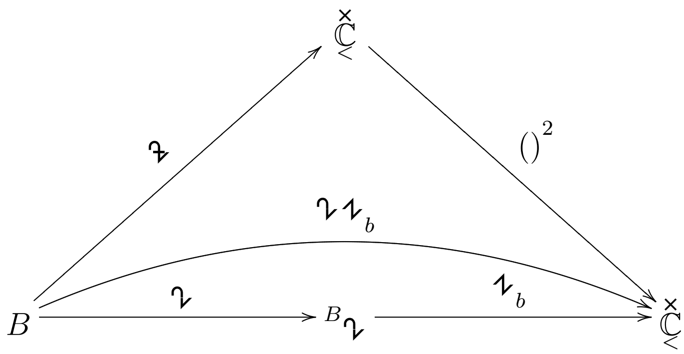
$$^{B}\gamma_n \subset \underset{<}{\mathbb{C}} \Rightarrow {}^{B}\gamma \subset \underset{<}{\mathbb{C}} \Rightarrow \imath \in \mathcal{F}$$

$$\text{cpt } \mathcal{F} \xrightarrow[\text{stet lin}]{\partial_z^0} \mathbb{C} \underset{\text{EWS}}{\Rightarrow} \bigvee_{\imath}^{\mathcal{F}} \overline{{}^{0}\underline{\gamma}} = \overline{{}^{0}\underline{\dot{\mathcal{F}}}} \Rightarrow B \xrightarrow[\asymp]{\gamma} {}^{B}\gamma \subset \underset{<}{\mathbb{C}}$$

$$^{B}\varphi = \mathbb{C}$$

$$\lightning \bigvee b \in \mathbb{C} \llcorner {}^{B}\varphi$$

$$^{z}\phi_b = \frac{z-b}{\bar{b}z-1} \Longrightarrow \phi_b \in \mho_{\omega} | \mathbb{C} : \quad \mathrm{id} = \phi_b \bowtie \phi_b$$



$$a = {}^{0}\psi \Rightarrow a^2 = {}^{0}\psi^2 = \underbrace{{}^{0}\psi \bowtie ()^2} = \underbrace{{}^{0}\varphi \bowtie \phi_b} = {}^{0}\varphi \ \phi_b = {}^{0}\phi_b = b$$

$$\psi \bowtie \phi_a \in \mathcal{F}$$

$$\mathrm{inj}\ \psi \bowtie \phi_a \in \triangle_{\omega} \mathbb{C} : \quad {}^{0}\overbrace{\psi \bowtie \phi_a} = {}^{a}\phi_a = 0$$

$$\overline{{}^{0}\phi_a \bowtie ()^2 \bowtie \phi_b} = \frac{2\overline{a}}{1+\overline{a}^2} < 1$$

$$\varphi = \varphi \bowtie \mathrm{id} = \varphi \bowtie \underbrace{\phi_b \bowtie \phi_b} = \underbrace{\varphi \bowtie \phi_b} \bowtie \phi_b = \psi \bowtie ()^2 \bowtie \phi_b$$

$$= \psi \bowtie \underbrace{\phi_a \bowtie \phi_a} \bowtie ()^2 \bowtie \phi_b = \underbrace{\psi \bowtie \phi_a} \bowtie \underbrace{\phi_a \bowtie ()^2 \bowtie \phi_b}$$

$$\Rightarrow 1 \leqslant \overline{{}^{0}\varphi} = \overline{{}^{0}\psi \bowtie \phi_a}\ \overline{{}^{0}\phi_a \bowtie ()^2 \bowtie \phi_b} < \overline{{}^{0}\psi \bowtie \phi_a} \Rightarrow \psi \bowtie \phi_a \in \mathcal{F} \Rightarrow \overline{{}^{0}\varphi} \text{ not max } \lightning$$