$$\mathbb{C} \supset \hbar \ni a \curvearrowright \nu_a \in \mathbb{Z}$$

$$\text{discrete Trg } A = \begin{cases} a \in \hbar \\ 0 \neq \nu_a \end{cases} \quad \sqsubset \hbar$$

$$\Rightarrow \bigvee_{\nu \text{ adapted}} \begin{cases} 0 \neq \daleth \in {}^{\hbar}\!\underset{\omega}{\overset{\div}{\triangle}}\mathbb{C} \\ \bigwedge_a^{\hbar} \underline{\deg}_a \daleth = \nu_a \end{cases} \quad \underline{\deg} \daleth = \nu$$

$$\begin{cases} \bigwedge_{\hbar}^{\hbar \llcorner A} \underline{\deg}_{\hbar} \daleth = 0 & ? \\ \bigwedge_{a \in A} \underline{\deg}_a \daleth = \nu_a & \underline{\deg} \daleth \rfloor_A = \nu \rfloor_A \end{cases}$$

$$\bigvee_{\text{cpt}} K = \widehat{K}^{\hbar} \subset \hbar = \bigcup_{K \in \mathcal{K}} K$$

$$K \subset \overbrace{K^+}$$

$$K^0 = \varnothing$$

$$\bigvee_{K \in \mathcal{K}} \begin{cases} \gamma^K \in {}^{\bar{\mathbb{C}}}\!\underset{m}{\overset{\div}{\triangle}}\mathbb{C} & \underline{\deg} \overset{K}{\gamma^K} = \nu \\ \bigvee \ell_K \in {}^{K}\!\underset{\omega}{\triangle}\mathbb{C} & \dfrac{\gamma^{K^+}}{\gamma^K} = \exp \ell_K \end{cases}$$

$$j = 0: \quad \gamma^0 = 1$$

$$K \in \mathcal{K} \curvearrowright j+1: \quad A \cap K^+ \text{ finit } \Rightarrow \prod_a^{A \cap K^+} \overbrace{z-a}^{\nu_a} \in {}^{\bar{\mathbb{C}}}\!\underset{m}{\overset{\div}{\triangle}}\mathbb{C}$$

$$\underline{\deg}^{K^+} \prod_a^{A \cap K^+} \overbrace{z-a}^{\nu_a} = \nu \Rightarrow \underline{\deg}^K \frac{\prod_a^{A \cap K^+} \overbrace{z-a}^{\nu_a}}{\gamma^K} = \underline{\deg}^K \prod_a^{A \cap K^+} \overbrace{z-a}^{\nu_a} - \underline{\deg}^K \gamma^K = \nu - \nu = 0$$

$$\Rightarrow \bigvee_{\text{fin } B_K \subset \mathbb{C} \llcorner K} \ \bigvee_{B_K \ni b \curvearrowright m_b \in \mathbb{Z}} \frac{\prod_a^{A \cap K^+} \overbrace{z-a}^{\nu_a}}{\gamma^K} = c \prod_b^{B_K} \overbrace{z-b}^{m_b}$$

$$\bigwedge_{b}^{B_K} \bigvee_{\acute b}^{\mathbb{C}\llcorner K^+} \bigvee \wr_b \in {}^{0:\mathbb{H}:1}\underset{\infty}{\triangle} b:\mathbb{C}\llcorner K:\acute b$$

$$\text{If } b \in \mathbb{C}\llcorner K^+ : \acute b = b$$

$$\text{If } b \in K^+ \llcorner K : \hbar\llcorner K \text{ has no comp } \subset \hbar \Rightarrow \overset{b}{\hbar\llcorner K} \not\subset \hbar \Rightarrow \overset{b}{\hbar\llcorner K} \not\subset K^+$$

$$\Rightarrow \bigvee \acute b \in \overset{b}{\hbar\llcorner K} \llcorner K^+ \Rightarrow \bigvee \begin{cases} \mathbb{H} \xrightarrow{\wr_b} \overset{b}{\hbar\llcorner K} & \subset \hbar\llcorner K \\ {}^0\wr_b = b & {}^1\wr_b = \acute b \end{cases}$$

$$\bar{\mathbb{C}}\llcorner\wr_b^{=} \underset{1}{\text{prim}} \Rightarrow \exp {}^z\ell_b = \frac{z-b}{z-\acute b} \in \mathbb{C}^\times \bigvee \ell_b \in {}^{\bar{\mathbb{C}}\llcorner\wr_b^{=}}\underset{\omega}{\triangle}\mathbb{C} \underset{K\subset\bar{\mathbb{C}}\llcorner\wr_b^{=}}{\subset} \ell_b \in {}^K\underset{\omega}{\triangle}\mathbb{C} \Rightarrow \ell_K = \sum_b^{B_K} m_b\,\ell_b \in {}^K\underset{\omega}{\triangle}\mathbb{C}$$

$$\begin{array}{ccc} & & \mathbb{C} \\ & \nearrow^{\ell_b} & \downarrow \exp \\ \bar{\mathbb{C}}\llcorner\wr_b^{=} & & \\ & \searrow_{\frac{z-b}{z-\acute b}} & \overset{\times}{\mathbb{C}} \end{array}$$

$$\frac{\prod_a^{A\cap K^+} \overbrace{z-a}^{\nu_a}}{\wr^{K^+}} \underset{\text{Def}}{=} c\prod_b^{B_K} \overbrace{z-\acute b}^{m_b} \Rightarrow \wr^{K^+} \in {}^{\bar{\mathbb{C}}}\underset{m}{\overset{\div}{\triangle}}\mathbb{C} \Rightarrow \frac{\wr^{K^+}}{\wr^K} = \frac{\prod_a^{A\cap K^+}\overbrace{z-a}^{\nu_a}}{\wr^K}\,\frac{\wr^{K^+}}{\prod_a^{A\cap K^+}\overbrace{z-a}^{\nu_a}}$$

$$= \prod_b^{B_K}\overbrace{z-b}^{m_b}\prod_b^{B_K}\left(z-\acute b\right)^{-m_b} = \prod_b^{B_K}\overbrace{\frac{z-b}{z-\acute b}}^{m_b} = \prod_b^{B_K}\overbrace{\exp {}^z\ell_b}^{m_b} = \exp\left(\sum_b^{B_K} m_b\,{}^z\ell_b\right) = {}^z\ell_K\mathfrak{e}$$

$$\underset{-}{\deg}^{K^+}\frac{\prod_a^{A\cap K^+}\overbrace{z-a}^{\nu_a}}{\wr^{K^+}} = 0 \text{ no zero/pole on } K^+ \Rightarrow \underset{-}{\deg}^{K^+}\wr^{K^+} = \underset{-}{\deg}^{K^+}\prod_a^{A\cap K^+}\overbrace{z-a}^{\nu_a} = \nu \text{ adapted}$$

$$^K\underset{\omega}{\triangle}\mathbb{C} \xleftarrow[\text{hull oRUN}]{\varrho} {}^{\hbar}\underset{\omega}{\triangle}\mathbb{C} \Rightarrow \bigvee_{h_K}^{\hbar\underset{\omega}{\triangle}\mathbb{C}} {}^K\overline{\overset{\bullet}{\ell_K + h_K}} \leqslant \log\left(1+2^{-|K|}\right)$$

$$\Rightarrow \quad {}^{K}\overset{\bullet}{\boxed{\frac{\mathfrak{r}^{K^+}}{\mathfrak{r}^{K}}{}^{h_K \mathfrak{e}} - 1}} = {}^{K}\overset{\bullet}{\boxed{\ell_K + h_K \mathfrak{e} - 1}} \leqslant {}^{K}\overset{\bullet}{\boxed{\ell_K + h_K \mathfrak{e} - 1}} \leqslant 2^{-|K|}$$

$$\text{Def } \mathfrak{l} = \prod_{K \in \mathcal{K}} \frac{\mathfrak{r}^{K^+}}{\mathfrak{r}^{K}}{}^{h_K \mathfrak{e}} \in {}^{\mathfrak{h}}\underset{\omega}{\overset{\div}{\triangle}}\mathbb{C}^{\times}$$

$$\bigwedge_{a}^{\mathfrak{h}} \underline{\deg}^{a} \mathfrak{l} = \nu_a$$

$$\bigvee_{H \in \mathcal{K}} a \in \widehat{H}$$

$$K \supset H \Rightarrow \underline{\deg}^{H} \frac{\mathfrak{r}^{K^+}}{\mathfrak{r}^{K}} = \underline{\deg}^{H} \mathfrak{r}^{K^+} - \underline{\deg}^{H} \mathfrak{r}^{K} = \nu - \nu = 0 \Rightarrow \frac{\mathfrak{r}^{K^+}}{\mathfrak{r}^{K}} \in {}^{\widehat{H}}\underset{\omega}{\triangle}\mathbb{C}^{\times} \Rightarrow \prod_{i \leqslant j} \frac{\mathfrak{r}^{K^+}}{\mathfrak{r}^{K}}{}^{h_K \mathfrak{e}} \in {}^{\widehat{H}}\underset{\omega}{\triangle}\mathbb{C}^{\times}$$

$$\mathfrak{l} = \prod_{j}^{i} \frac{\mathfrak{r}^{K^+}}{\mathfrak{r}^{K}}{}^{h_K \mathfrak{e}} \prod_{j \geqslant i} \frac{\mathfrak{r}^{K^+}}{\mathfrak{r}^{K}}{}^{h_K \mathfrak{e}} = \mathfrak{r}^{H} \exp\left(\sum_{j}^{i} h_K\right) \prod_{K \supset H} \frac{\mathfrak{r}^{K^+}}{\mathfrak{r}^{K}}{}^{h_K \mathfrak{e}} \Rightarrow \underline{\deg}^{a} \mathfrak{l} = \underline{\deg}^{a} \mathfrak{r}^{H} = \nu_a$$