zush $\mathfrak{h} \supset \mathbb{C}$

$$\mathbb{C} \supset \mathfrak{h} \xrightarrow[\text{hol:inj}]{\mathfrak{y}} \mathbb{C} \Rightarrow \mathfrak{h} \xrightarrow[\text{bihol}]{\mathfrak{y}} {}^{\mathfrak{h}}\mathfrak{y}$$

$$\text{Max} \implies {}^{\mathfrak{h}}\mathfrak{y} \underset{\text{off}}{\subseteq} \mathbb{C}$$

$$\overset{\leqslant}{\mathbb{C}}{}_o^r \subset \mathfrak{h} \underset{\text{Max}}{\Rightarrow} {}^{\overset{\leqslant}{\mathbb{C}}{}_o^r}\mathfrak{y} \subseteq \mathbb{C}$$

$$\mathfrak{y} \text{ inj} \implies \bigwedge_w \bigwedge_\zeta {}^{\zeta}\mathfrak{y} \neq w \Rightarrow \deg_\zeta \underbrace{\mathfrak{y} - w}_{} = 0\colon \quad \bigwedge_\zeta^{\mathfrak{h}} \deg_\zeta \underbrace{\mathfrak{y} - w}_{} \in \mathbb{Z}$$

$${}^{w}\not{\mathfrak{y}} = \sum_z^{\overset{\leqslant}{\mathbb{C}}{}_o^r} z \deg_z \underbrace{\mathfrak{y} - w}_{} = \int_{d\zeta/2\pi i}^{\overline{\overline{\mathbb{C}}}{}_o^r} \frac{\zeta^{\zeta}\underline{\mathfrak{y}}}{{}_{\zeta}\mathfrak{y} - w} \text{ w-hol} \implies {}^{\overset{\leqslant}{\mathbb{C}}{}_o^r}\mathfrak{y} \xrightarrow[\text{hol}]{\not{\mathfrak{y}}} \overset{\leqslant}{\mathbb{C}}{}_o^r \subseteq \mathfrak{h}$$

$${}^{\mathfrak{h}}_{\omega}\mathbb{C}^{\times} \ni \mathfrak{y}_n \underset{\text{cpt}}{\rightsquigarrow} \mathfrak{y} \in {}^{\mathfrak{h}}_{\omega}\mathbb{C} \llcorner 0 \Rightarrow \mathfrak{y} \in {}^{\mathfrak{h}}_{\omega}\mathbb{C}^{\times}$$

$$0 \cup {}^{\mathfrak{h}}_{\omega}\mathbb{C}^{\times} \overset{\text{abg}}{\subset} {}^{\mathfrak{h}}_{\omega}\mathbb{C}$$

$$\mathfrak{y} \neq 0 \underset{\text{Iden}}{\Rightarrow} \overset{-1}{\mathfrak{y}}(0) \underset{\text{disc}}{\subseteq} \mathfrak{h}$$

$$\not{\mathfrak{y}} \bigvee_o^{\mathfrak{h}} {}^{o}\mathfrak{y} = 0 \Rightarrow \bigvee_{r>0} \overset{\leqslant}{\mathbb{C}}{}_o^r \subset \mathfrak{h}\colon \quad \overset{-1}{\mathfrak{y}}(0) \cap \overset{\leqslant}{\mathbb{C}}{}_o^r = o$$

$$\deg_z \mathfrak{y}_n \in \mathbb{Z} \ni \deg_z \mathfrak{y}$$

$$z \in \overline{\overline{\mathbb{C}}}{}_o^r \implies \deg_z \mathfrak{y}_n = 0 = \deg_z \mathfrak{y}$$

$$\mathfrak{y}_n \underset{\text{cpt}}{\rightsquigarrow} \mathfrak{y} \underset{\text{Wei}}{\Rightarrow} \underline{\mathfrak{y}}_n \underset{\text{cpt}}{\rightsquigarrow} \underline{\mathfrak{y}} \Rightarrow \begin{cases} \mathfrak{y}_n & \underset{\overline{\overline{\mathbb{C}}}{}_o^r}{\overset{\text{glm}}{\rightsquigarrow}} \begin{cases} \mathfrak{y} \\ \underline{\mathfrak{y}} \end{cases} \end{cases} \implies \underline{\mathfrak{y}}_n / \mathfrak{y}_n \underset{\overline{\overline{\mathbb{C}}}{}_o^r}{\overset{\text{glm}}{\rightsquigarrow}} \underline{\mathfrak{y}}/\mathfrak{y}$$

$$0 = \deg_{\overset{\leqslant}{\mathbb{C}}{}_o^r} \mathfrak{y}_n = \int_{dz/2\pi i}^{\overline{\overline{\mathbb{C}}}{}_o^r} {}^{z}\underline{\mathfrak{y}}_n / {}^{z}\mathfrak{y}_n \rightsquigarrow \int_{dz/2\pi i}^{\overline{\overline{\mathbb{C}}}{}_o^r} {}^{z}\underline{\mathfrak{y}} / {}^{z}\mathfrak{y} = \deg_{\overset{\leqslant}{\mathbb{C}}{}_o^r} \mathfrak{y} = 0 \Rightarrow \bigwedge_z^{\overset{\leqslant}{\mathbb{C}}{}_o^r} {}^{z}\mathfrak{y} \neq 0 = {}^{o}\mathfrak{y}\ \not{\mathfrak{y}}$$

$$\text{inj}\ {}^{\mathbb{h}}\!\blacktriangleleft_{\omega}\mathbb{C} \ni \eth_n \underset{\text{cpt}}{\rightsquigarrow} \eth \in {}^{\mathbb{h}}\!\triangleleft_{\omega}\mathbb{C}\llcorner\mathbb{C} \Rightarrow \eth \in {}^{\mathbb{h}}\!\blacktriangleleft_{\omega}\mathbb{C}\ \text{inj}$$

$$\mathbb{C} \cup {}^{\mathbb{h}}\!\blacktriangleleft_{\omega}\mathbb{C} \overset{\text{abg}}{\subset} {}^{\mathbb{h}}\!\triangleleft_{\omega}\mathbb{C}$$

$$\eth \notin \mathbb{C}$$

$$z \in \mathbb{h} \ni w\colon \quad z \neq w \Rightarrow z \in {}^{\mathbb{h}}_{\text{zush}}\!\llcorner w \subset \mathbb{C}\colon \quad z \in \mathbb{h}\llcorner w$$

$$\eth_n \underset{\text{cpt}}{\rightsquigarrow} \eth \Rightarrow {}^{w}\eth_n \rightsquigarrow {}^{w}\eth$$

$${}^{\mathbb{h}\llcorner w}\!\triangleleft_{\omega}\mathbb{C}^{\times} \ni \eth_n - {}^{w}\eth_n \underset{\text{cpt}}{\rightsquigarrow} \eth - {}^{w}\eth \in {}^{\mathbb{h}\llcorner w}\!\triangleleft_{\omega}\mathbb{C}\llcorner 0 \Rightarrow \eth \in {}^{\mathbb{h}\llcorner w}\!\triangleleft_{\omega}\mathbb{C}^{\times} \Rightarrow {}^{z}\eth \neq {}^{w}\eth \Rightarrow \eth\ \text{inj}$$

$${}^{\mathbb{h}}\!\triangleleft_{\omega}\lambda \ni \eth_n \underset{\text{cpt}}{\rightsquigarrow} \eth \in {}^{\mathbb{h}}\!\triangleleft_{\omega}\mathbb{C}\llcorner\mathbb{C} \Rightarrow \eth \in {}^{\mathbb{h}}\!\triangleleft_{\omega}\lambda$$

$$\mathbb{C} \cup {}^{\mathbb{h}}\!\triangleleft_{\omega}\lambda \overset{\text{abg}}{\subset} {}^{\mathbb{h}}\!\triangleleft_{\omega}\mathbb{C}$$

$$b \in \mathbb{C}\llcorner\lambda \Rightarrow \bigwedge_{z}^{\mathbb{h}} \lambda \supset {}^{\mathbb{h}}\eth_n \ni {}^{z}\eth_n \neq b$$

$$\Rightarrow {}^{\mathbb{h}}\!\triangleleft_{\omega}\mathbb{C}^{\times} \ni \eth_n - b \underset{\text{cpt}}{\rightsquigarrow} \eth - b \in {}^{\mathbb{h}}\!\triangleleft_{\omega}\mathbb{C}\llcorner 0 \Rightarrow \eth \in {}^{\mathbb{h}}\!\triangleleft_{\omega}\mathbb{C}^{\times} \Rightarrow \bigwedge_{z}^{\mathbb{h}} {}^{z}\eth \neq b \Rightarrow {}^{\mathbb{h}}\eth \subset \mathbb{C}\llcorner \underbrace{\mathbb{C}\llcorner\lambda}_{\lambda} = \lambda$$