$$d v^{\cdot} / (2\pi i)^{d} = d \cancel{v}^{\cdot}$$

$$\begin{tikzcd}
{}_{o^{\cdot} < R^{\cdot}}\mathbb{C}^{d} \triangle_{\omega} \mathbb{C} \ni \daleth \arrow[dr] & \\
& {}^{o}_{\cancel{\varkappa}^{-}}\daleth \in \mathbb{C} \triangledown_{d}\mathbb{N}
\end{tikzcd}$$

$$ {}^{o}_{\cancel{\varkappa}^{-}}\daleth = \frac{1}{{}_{1}\varkappa! \cdots {}_{n}\varkappa!} \partial_{1}^{1^{\varkappa}} \cdots \partial_{n}^{n^{\varkappa}} {}^{o^{1} \cdots o^{d}}\daleth = \frac{1}{{}_{1}\varkappa! \cdots {}_{n}\varkappa!} \frac{\partial}{\partial w^{1}}^{1^{\varkappa}} \cdots \frac{\partial}{\partial w^{d}}^{n^{\varkappa}} {}^{o^{1} \cdots o^{d}}\daleth = \int_{d\cancel{v}^{\cdot}}^{o^{\cdot}\underline{\mathbb{C}}^{d}_{r^{\cdot}}} \frac{{}^{v^{\cdot}}\daleth}{v^{\cdot \varkappa \pm \ddagger} o^{\cdot}}$$

$$\cancel{r}^{\varkappa \cdot} \overline{{}^{o}_{\cancel{\varkappa}}\daleth_{-}} \leqslant {}^{o^{\cdot}\underline{\mathbb{C}}^{d}_{r^{\cdot}}}\dot{\daleth}$$

$$\text{LHS} = \cancel{r}^{\varkappa \cdot} \overline{\int_{d\cancel{v}^{\cdot}}^{o^{\cdot}\underline{\mathbb{C}}^{d}_{r^{\cdot}}} \frac{{}^{v^{\cdot}}\daleth}{v^{\cdot \varkappa \pm \ddagger} o^{\cdot}}} \leqslant \cancel{r}^{\varkappa \cdot} \int_{\underline{d\cancel{v}^{\cdot}}}^{o^{\cdot}\underline{\mathbb{C}}^{d}_{r^{\cdot}}} \frac{\overline{v^{\cdot}}\daleth}{\underline{v^{\cdot} - o^{\cdot}}^{\varkappa + \ddagger}} \leqslant \frac{\cancel{r}^{\varkappa \cdot} \cancel{r}^{\ddagger \cdot}}{\varkappa + \ddagger \cdot r} {}^{o^{\cdot}\underline{\mathbb{C}}^{d}_{r^{\cdot}}}\dot{\daleth} = \text{RHS}$$

$$0 < \overline{\zeta^{j}} \leqslant q^{j} < 1: \quad k \in \mathbb{N} \Longrightarrow \overline{\ddagger^{\underline{-\ddagger}}\zeta^{\cdot} - \sum_{\varkappa}^{{}_{d}k} \zeta^{\varkappa\cdot}} \leqslant \frac{1 - \ddagger^{\underline{\ddagger}} q^{k\cdot}}{\ddagger^{\underline{\ddagger}} q^{\cdot}}$$

$$\sum_{\varkappa}^{{}_{d}\mathbb{N}} \zeta^{\varkappa\cdot} = \prod_{j} \sum_{{}_{j}\varkappa \in \mathbb{N}} \zeta^{{}_{j}\varkappa j} = \prod_{j} \frac{1}{1-\zeta^{j}} = \ddagger^{\underline{-\ddagger}} \zeta^{\cdot}$$

$$\sum_{\varkappa}^{{}_{d}k} \zeta^{\varkappa\cdot} = \prod_{j} \sum_{{}_{j}\varkappa \in k} \zeta^{{}_{j}\varkappa j} = \prod_{j} \frac{1-\zeta^{kj}}{1-\zeta^{j}} = \frac{\ddagger^{\underline{\ddagger}}\zeta^{k\cdot}}{\ddagger^{\underline{\ddagger}}\zeta^{\cdot}}$$

$$\Longrightarrow \text{LHS} = \overline{\sum_{\varkappa \not\ni {}_{d}k} \zeta^{\varkappa\cdot}} \leqslant \sum_{\varkappa \not\ni {}_{d}k} \overline{\zeta^{\varkappa\cdot}} \leqslant \sum_{\varkappa \not\ni {}_{d}k} q^{\varkappa\cdot} = \ddagger^{\underline{-\ddagger}} q^{\cdot} - \sum_{\varkappa}^{{}_{d}k} q^{\varkappa\cdot} = \text{RHS}$$

$$\overline{w^{j} - o^{j}} \leqslant u^{j} < r^{j} = \overline{v^{j} - o^{j}} \Longrightarrow \overline{v^{\cdot\underline{-\ddagger}} w^{\cdot} - \sum_{\varkappa}^{{}_{d}k} \frac{w^{\cdot\underline{\varkappa}} o^{\cdot}}{v^{\cdot\ddagger\underline{+\varkappa}} o^{\cdot}}} \leqslant \frac{1 - \ddagger^{\underline{\ddagger}} u^{\cdot}/r^{\cdot k}}{r^{\cdot\underline{\ddagger}} u^{\cdot}}$$

$$\frac{v^{\cdot\underline{\ddagger}}o^{\cdot}}{v^{\cdot\underline{\ddagger}}w^{\cdot}} = \prod_{j} \frac{v^{j} - o^{j}}{v^{j} - w^{j}} = \prod_{j} 1^{\underline{-1}} \frac{w^{j}-o^{j}}{v^{j}-o^{j}} = \ddagger^{\underline{-\ddagger}} \frac{w^{\cdot} - o^{\cdot}}{v^{\cdot} - o^{\cdot}}$$

$$\Longrightarrow r^{\ddagger}\ \text{LHS} = \overline{\ddagger^{\underline{-\ddagger}} \frac{w^{\cdot}-o^{\cdot}}{v^{\cdot}-o^{\cdot}} - \sum_{\varkappa}^{{}_{d}k} \frac{w^{\cdot\underline{\varkappa}}o^{\cdot}}{v^{\cdot\underline{\varkappa}}o^{\cdot}}} \leqslant \frac{1-\ddagger^{\underline{\ddagger}}u^{\cdot}/r^{\cdot k}}{\ddagger^{\underline{\ddagger}}u^{\cdot}/r^{\cdot}} = r^{\ddagger}\ \text{RHS}$$

$$\text{poly-disc } {}_{o^\cdot}\mathbb{C}^d_{<R^\cdot} \subset \hbar\!: \quad 0 < R^j \leqslant +\infty\!: \quad \daleth \in {}^{\hbar}\triangle_{\omega}\mathbb{C}$$

$$^{w}\daleth \underset{{}_{o^\cdot}\mathbb{C}^d_{<R^\cdot}}{\overset{\text{cpt}}{\Longleftarrow}} \sum_{\varkappa}^{{}^{d}\mathbb{N}} w^\cdot \underline{\varkappa}\, o^\cdot \; {}^{o}_{\cancel{\varkappa}^-}\daleth$$

$$\overline{w^j - o^j} \leqslant u^j < r^j < R^j \Longrightarrow \overline{{}^{w}\daleth - \sum_{\varkappa}^{{}^{d}k} w^\cdot \underline{\varkappa} o^\cdot \, {}^{o}_{\cancel{\varkappa}^-}\daleth} \leqslant \frac{1 - \ddagger \underline{\ddagger} u^\cdot/r^{\cdot\,k}}{\ddagger \underline{\ddagger} u^\cdot/r^\cdot} \, {}_{o^\cdot}\underline{\mathbb{C}}^d_{r^\cdot}\overset{\bullet}{\daleth}$$

$$\text{LHS} = \overline{\int_{d\cancel{v}^\cdot}^{{}_{o^\cdot}\underline{\mathbb{C}}^d_{r^\cdot}} \frac{^{v^\cdot}\daleth}{v^\cdot \underline{\ddagger} w^\cdot} - \sum_{\varkappa}^{{}^{d}k} w^\cdot \underline{\varkappa} o^\cdot \int_{d\cancel{v}^\cdot}^{{}_{o^\cdot}\underline{\mathbb{C}}^d_{r^\cdot}} \frac{^{v^\cdot}\daleth}{v^{\cdot\ddagger} \underline{\pm} \varkappa o^\cdot}} = \overline{\int_{d\cancel{v}^\cdot}^{{}_{o^\cdot}\underline{\mathbb{C}}^d_{r^\cdot}} \underbrace{v^\cdot \underline{-\ddagger} w^\cdot - \sum_{\varkappa}^{{}^{d}k} \frac{w^\cdot \underline{\varkappa} o^\cdot}{v^{\cdot\ddagger} \underline{\pm} \varkappa o^\cdot}} \, {}^{v^\cdot}\daleth}$$

$$\leqslant \int_{\overline{d\cancel{v}^\cdot}}^{{}_{o^\cdot}\underline{\mathbb{C}}^d_{r^\cdot}} \overline{v^\cdot \underline{-\ddagger} w^\cdot - \sum_{\varkappa}^{{}^{d}k} \frac{w^\cdot \underline{\varkappa} o^\cdot}{v^{\cdot\ddagger} \underline{\pm} \varkappa o^\cdot}} \, \overline{v^\cdot}\daleth \leqslant \overset{\ddagger}{r^\cdot} \frac{1 - \ddagger \underline{\ddagger} u^\cdot/r^{\cdot\,k}}{r^\cdot \underline{\ddagger} u^\cdot} \, {}_{o^\cdot}\underline{\mathbb{C}}^d_{r^\cdot}\overset{\bullet}{\daleth} = \text{RHS}$$

$$\text{cpt } K \subset {}_{o^\cdot}\mathbb{C}^d_{<R^\cdot} \Longrightarrow u^j = {}^{K}\overset{\bullet}{\underset{w^\cdot}{\overline{w^j - o^j}}} < R^j \underset{u^j < r^j < R^j}{\Longrightarrow} {}^{K}\overset{\bullet}{\overline{{}^{w}\daleth - \sum_{\varkappa}^{{}^{d}k} w^\cdot \underline{\varkappa} o^\cdot \, {}^{o}_{\cancel{\varkappa}^-}\daleth}} \leqslant \frac{1 - \ddagger \underline{\ddagger} u^\cdot/r^{\cdot\,k}}{\ddagger \underline{\ddagger} u^\cdot/r^\cdot} \, {}_{o^\cdot}\underline{\mathbb{C}}^d_{r^\cdot}\overset{\bullet}{\daleth} \underset{k \rightsquigarrow \infty}{\rightsquigarrow} 0$$