$$\daleth \in \underset{0}{\overset{\nu}{\triangleleft}}\mathbb{K} \text{ poly-normed}$$

$$\mathbb{R}_+ \xleftarrow[\text{halbnorm}]{p} \daleth \in \triangleleft\mathbb{K} \begin{cases} \overline{\urcorner + \rceil} \leqslant \overline{\urcorner} + \overline{\rceil} \text{ sub-add} \\ \overline{\urcorner\alpha} = \overline{\urcorner}\,\overline{\alpha} \text{ hom} \end{cases} \Rightarrow p(0) = 0$$

$$\mathcal{P} \supset Q \text{ fin}$$

$$\overset{Q}{\daleth}{}^{\urcorner}_{<\varepsilon} = \frac{\rceil \in \daleth}{\bigwedge_p^Q \overline{\rceil - \urcorner} < \varepsilon} = \bigcap_p^Q \overset{p}{\daleth}{}^{\urcorner}_{<\varepsilon} : \quad \overset{Q}{\daleth}{}^{\urcorner}_{\leqslant\varepsilon} = \frac{\rceil \in \daleth}{\bigwedge_p^Q \overline{\rceil - \urcorner} \leqslant \varepsilon} = \bigcap_p^Q \overset{p}{\daleth}{}^{\urcorner}_{\leqslant\varepsilon}$$

$$\overset{Q}{\daleth}_{<\varepsilon} = \frac{\rceil \in \daleth}{\bigwedge_p^Q \overline{\rceil} < \varepsilon} = \bigcap_p^Q \overset{p}{\daleth}_{<\varepsilon} : \quad \overset{Q}{\daleth}_{\leqslant\varepsilon} = \frac{\rceil \in \daleth}{\bigwedge_p^Q \overline{\rceil} \leqslant \varepsilon} = \bigcap_p^Q \overset{p}{\daleth}_{\leqslant\varepsilon}$$

$$\daleth \in \underset{0}{\overset{\nu}{\triangleleft}}\mathbb{K} \text{ poly-normed } \Rightarrow \daleth \in \underset{0}{\triangleleft}\mathbb{K}$$

$$\mathcal{U} = \frac{\overset{Q}{\daleth}_{<\varepsilon}}{\mathcal{P} \supset Q \text{ fin} : \varepsilon > 0} \text{ stand 0-Umgbasis von } \daleth$$

$$\daleth \text{ metr } \Rightarrow \delta(\urcorner) = \sum_{0 \leqslant n} 2^{-n} \frac{p_n(\urcorner)}{1 + p_n(\urcorner)} \Rightarrow \urcorner \wr \acute{\urcorner} = \delta\left(\urcorner - \acute{\urcorner}\right) \text{ metric on } \daleth$$

$$\text{stand 0-Umgbasis } \daleth \supset U_n = \frac{\urcorner \in \daleth}{\delta(\urcorner) < 1/n}$$

$$\daleth \text{ Frech } \Leftrightarrow \text{ voll metr}$$