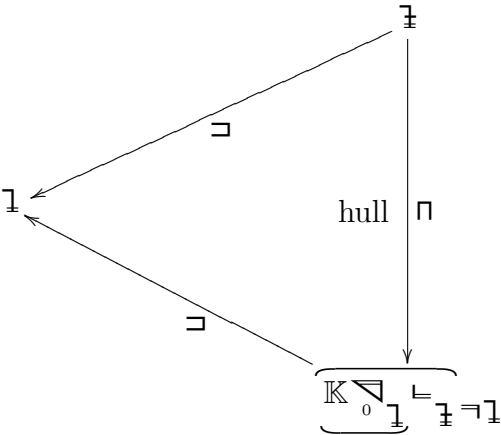


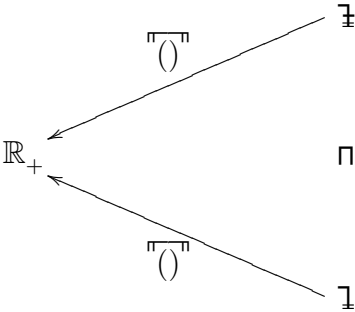
$$\mathbb{X} \subset \mathbb{Y} \in {}^{n/\nu}_0\mathbb{K} \text{ Ban/Frech}$$



$$\mathbb{Y} = \underbrace{{}^{\mathbb{K}}_0\mathbb{Y}}_{\sqsubseteq \mathbb{Y} \sqsupset \mathbb{Y}}$$

$$\text{normed } \mathbb{Y} \in {}^n_0\mathbb{K}$$

$$\mathbb{Y} \supset \mathbb{X} \Rightarrow \mathbb{Y} \xleftarrow[\text{mono-metr}]{j} \mathbb{X} \in {}^n_0\mathbb{K} \text{ normed}$$



$$\text{treu } \mathbb{1} \supset \mathbb{1} \text{ voll} \Leftrightarrow \mathbb{1} \supset \mathbb{1}$$

$$\Rightarrow : \quad \text{voll } \mathbb{1} \ni \gamma_n \rightsquigarrow \gamma \in \mathbb{1} \Rightarrow \mathbb{1} \ni \gamma_n \rightsquigarrow \Rightarrow \mathbb{1} \ni \gamma_n \rightsquigarrow$$

$$\stackrel{\mathbb{1} \text{ voll}}{\Rightarrow} \gamma_n \rightsquigarrow \gamma \in \mathbb{1} \Rightarrow \gamma_n \rightsquigarrow_{\mathbb{1}} \left\{ \begin{array}{l} \gamma \\ \gamma \end{array} \right. \stackrel{\text{treu}}{\Rightarrow} \gamma = \gamma \in \mathbb{1} \subset \mathbb{1}$$

$$\Leftarrow : \quad \text{voll } \mathbb{1} \supset \mathbb{1} \ni \gamma_n \rightsquigarrow_{\text{Cau}} \Rightarrow \mathbb{1} \ni \gamma_n \rightsquigarrow_{\mathbb{1} \text{ voll}} \Rightarrow \gamma_n \rightsquigarrow \gamma \in \mathbb{1} \Rightarrow \text{abg } \gamma \in \mathbb{1} \Rightarrow \gamma_n \rightsquigarrow_{\mathbb{1}} \gamma \Rightarrow \mathbb{1} \text{ voll}$$

$$\nabla_{\mathbb{1}} = \overline{\mathbb{K} \nabla_0 \mathbb{1}} \hookrightarrow_{\mathbb{1} \Rightarrow \mathbb{1}}$$

$$\text{poly-normed } \mathbb{1} \in {}^\nu \nabla_0 \mathbb{K}$$

$$\mathbb{1} \supset \mathbb{1} \Rightarrow \mathbb{1} \xleftarrow[\text{poly-contr}]{j} \mathbb{1} \in {}^\nu \nabla_0 \mathbb{K} \text{ poly-normed}$$

$$\mathcal{U} = \frac{\varepsilon \mathbb{1}_Q}{\mathcal{P} \supset Q \text{ fin} : \varepsilon > 0} \text{ stand 0-Umgbasis von } \mathbb{1}$$

$$\Rightarrow \mathcal{U} \cap \mathbb{1} = \frac{\varepsilon \mathbb{1}_Q}{\mathcal{P} \supset Q \text{ fin} : \varepsilon > 0} \text{ stand 0-Umgbasis von } \mathbb{1}$$

$$\nabla_{\mathbb{1}} = \overline{\mathbb{K} \nabla_0 \mathbb{1}} \hookrightarrow_{\mathbb{1} \Rightarrow \mathbb{1}}$$

$$\mathbb{1} \subset \mathbb{K} \nabla_0 \mathbb{1} \in \mathbb{K} \nabla_0^{n/\nu} \text{ coBan/Frech}$$

$$\begin{array}{ccc} & \mathbb{1} \Rightarrow \mathbb{1} & \\ & \downarrow \wr & \\ \mathbb{1} & \swarrow \supset \quad \searrow & \underbrace{\mathbb{1} \Rightarrow \overline{\mathbb{K} \nabla_0 \mathbb{1}} \nabla_0 \mathbb{K}} \end{array}$$

$$\mathbb{1} \supset \mathbb{E}_{\neg \mathbb{1}} = \frac{\mathbb{1} \in \mathbb{1}}{\mathbb{E} \mathbb{1} = 0} \text{ voll}$$