

$$A\in{_d\mathbb{K}^d}$$

$$\lceil \overline{A}\rceil < 1 \Rightarrow \widehat{\overline{I-A}} = \sum_n^{\mathbb{N}} A^n$$

$$X\in{_d\mathbb{K}^d}\stackrel{F_A}{\longrightarrow}{_d\mathbb{K}^d}\ni{}^XF_A=I+AX$$

$$F_A\operatorname{contr}_{\overline{A}}$$

$$\lceil {}^X F_A - {}^Y F_A \rceil = \lceil \underline{I+AX} - \underline{I+AY} \rceil = \lceil AX - AY \rceil = \lceil A\underline{X-Y} \rceil \leqslant \lceil \overline{A} \rceil \lceil \overline{X-Y} \rceil$$

$${_d\mathbb{K}^d}\text{ voll }\stackrel{\text{Ban}}{\Rightarrow}\bigvee_{\text{eind}}{_d\mathbb{K}^d}\ni B={}^BF_A=I+AB$$

$$B=\widehat{\overline{I-A}}$$

$$\underline{I-A}B=B-AB=I$$

$${}^IF_A^n=I+A+\cdots+A^n$$

$${}^IF_A^0={}^I\mathrm{id}=I$$

$${}^IF_A^{n+1}=I+A{}^IF_A^n=I+A+\cdots+A^n\stackrel{\text{ind}}{=}I+A\underline{I+A+\cdots+A^n}=I+A+A^2+\cdots+A^{n+1}$$

$$I+A+\cdots+A^n={}^IF_A^n\curvearrowright B=\widehat{\overline{I-A}}$$