$$
\begin{aligned}
& \mathcal{U} \mid \beth \ni \mathrm{Z}=\underbrace{\hat{\mathrm{\imath}}+I} \widehat{\mathrm{Z}-I}^{-1} \\
& \text { a }
\end{aligned}
$$

$$
\begin{aligned}
& \bigwedge_{\urcorner \in \mathcal{D}_{\mathfrak{l}}}{ }^{\pi} \overline{\boxed{7} \pm 7^{1^{2}}}={ }^{n} \overline{\mathfrak{7} 7^{n}}+{ }^{2} 7^{1^{2}}
\end{aligned}
$$

$$
\begin{aligned}
& \Re_{\mathrm{\imath} \pm I} \underset{\mathrm{bij}}{\stackrel{\mathrm{~L} \pm I}{ }} \mathcal{D}_{\mathrm{\imath}} \\
& { }^{\pi}(乙 \pm I)^{-1^{n}} \leqslant 1
\end{aligned}
$$

$$
\begin{aligned}
& \Re_{\hat{\mathrm{\imath}}}=\Re_{\mathrm{\imath}+I} \longleftarrow \underbrace{}_{\hat{\mathrm{l}}=\underbrace{\mathfrak{\mathrm { z } + I}+I} \overline{\mathrm{~T}}_{\mathrm{\imath}-I}}{ }^{-1} \overbrace{\mathrm{\imath}_{\mathrm{\imath}-I}}
\end{aligned}
$$

$$
\text { Z } 1=1
$$

$$
\begin{aligned}
& \text { そ 7 } 7=-7 \\
& \mathcal{D}_{\hat{\imath}} \leftharpoonup 1 \text { ป } \Re_{\hat{\imath}}
\end{aligned}
$$

$$
\begin{aligned}
& \Rightarrow \mathcal{G}_{\hat{\mathrm{L}}} \ni 1_{n}: \hat{\mathrm{L}} 1_{n} \backsim 1: 7 \in \mathcal{G}_{\hat{\mathrm{L}}} \mathrm{abg} \Rightarrow 1 \in \mathcal{D}_{\hat{\imath}}
\end{aligned}
$$

$$
\begin{aligned}
& \Re_{\text {乙-I }} \ni \uparrow=\mathrm{Z} 7-7 \\
& \urcorner \in \mathcal{D}_{\imath} \Rightarrow \hat{\mathcal{L}} \quad \mathfrak{\imath}=\mathrm{Z} 7+7
\end{aligned}
$$

$$
\begin{aligned}
& \mathcal{G}_{\text {乞. }} \ni 1_{n}: \hat{\text { 亿 }} 1_{n} \leadsto 1: 7 \in 1 \times 1 \Rightarrow \downarrow \in 1_{n}=\mathrm{Z} 7_{n}-7_{n} \\
& 7_{n} \in \mathcal{D}_{\imath} \\
& 7 \Leftrightarrow \hat{\mathcal{L}} \quad 1_{n}=\mathrm{Z} 7_{n}+7_{n} \Rightarrow \text { Z } 7_{n} \backsim \frac{7+1}{2} \\
& 7_{n} \leadsto \frac{7-1}{2} \underset{\mathcal{G}_{\text {abg }}}{\Rightarrow} \frac{7-1}{2} \in \mathcal{D}_{乙} \\
& \text { 乙 } \frac{7-1}{2}=\frac{7+1}{2} \Rightarrow 1=\underline{\succeq-I} \frac{7-1}{2} \in \mathcal{D}_{\hat{\imath}} \\
& \text { र. } 1=\underline{\imath+I} \frac{7-1}{2}=7 \Rightarrow 1: 7 \in \mathcal{G}_{\hat{\imath}} \operatorname{abg} \\
& \text { defect spaces } \mathcal{D}_{\hat{\imath}}^{\perp}=\frac{1 \in \mathcal{D}_{\hat{\imath}}}{\hat{\chi} 1=1} \Re_{\hat{\imath}}^{\perp}=\frac{7 \in \mathcal{D}_{\hat{\imath}}}{\hat{\chi} 7=-7}
\end{aligned}
$$

$$
\begin{aligned}
7 & =\hat{\mathrm{L}} 1 \\
\Re_{\hat{\mathrm{\imath}}} \ni 7_{n} \triangleleft 7 & \in \mathrm{l} \Rightarrow 7_{n}=\hat{\mathrm{L}} 1_{n} \\
1_{n} & \in \mathcal{D}_{\hat{\mathrm{\imath}}}
\end{aligned}
$$

$$
7=\hat{\imath} \quad 1 \in \Re_{\hat{\imath}}
$$

$$
\mathfrak{I}=\mathcal{D}_{\hat{\imath}} \times \mathcal{D}_{\hat{\imath}}^{\perp}=\Re_{\imath-I} \times\{\mathfrak{\imath} 1=1\}=\Re_{\hat{\imath}} \times \Re_{\hat{\imath}}^{\perp}=\Re_{\imath+I} \times\{\hat{\imath} 7=-7\}
$$

$$
\mathcal{D}_{\hat{\imath}}=\mathcal{D}_{\imath} \times \mathcal{D}_{\hat{\imath}}^{\perp} \times \Re_{\hat{\imath}}^{\perp}
$$

$$
\mathfrak{\mathrm { L }}=\left[\begin{array}{ccc}
-\mathrm{\imath} & 0 & 0 \\
0 & I & 0 \\
0 & 0 & -I
\end{array}\right]
$$



$$
\begin{gathered}
\Rightarrow \mathcal{D}_{\hat{\imath}} \ni \mathbb{T}=7+\frac{1}{2}+7 \in \mathcal{D}_{\imath}+\mathcal{D}_{\hat{\imath}}^{\perp}+\Re_{\hat{\imath}}^{\perp} \\
\text { そ }\urcorner=-\bigvee\urcorner+\frac{1}{2}-7
\end{gathered}
$$

Eind $0=7+\frac{1}{2}+7 \Rightarrow 0=\underline{I+\underline{\imath}} \underbrace{\urcorner+\frac{1}{2}+7}=7+\frac{1}{2}+7-\mathrm{Z} 7+\frac{1}{2}-7=\underbrace{7-\mathrm{Z}\rceil}+1 \in \mathcal{D}_{\hat{\imath}} \times \mathcal{D}_{\hat{\imath}}^{\perp}$

$$
\begin{aligned}
& \left.\Rightarrow I-\lfloor \urcorner=0=1_{I-\mathrm{Z}_{\mathrm{inj}}}\right\rceil=0 \Rightarrow 7=0 \\
& \hat{Z}=-\mathrm{Z} \Leftrightarrow \hat{\mathrm{Z}} \in \mathrm{U} \mid \mathrm{Z} \text { unitary } \\
& 1 \underset{\text { hull }}{\mathcal{J}} \Re_{\hat{\imath}-I}=\mathcal{D}_{\mathrm{\imath}} \frac{\hat{\mathrm{\imath}}-I}{\mathrm{bij}_{\mathrm{ij}}} \Re_{\mathrm{\imath}_{-I}}=\mathcal{D}_{\hat{\mathrm{\imath}}} \\
& \hat{Z} \in U \mid 1
\end{aligned}
$$

$$
\begin{aligned}
& \mathrm{Z}=\underline{\hat{\imath}+I}_{\widehat{\mathrm{q}}-I^{-1}} \\
& \left.\left.1 \in \mathcal{D}_{\hat{\mathrm{L}}} \Rightarrow 1=\\
right\urcorner-\right\rceil \\
& \urcorner \in \mathcal{D}_{\imath} \Rightarrow \underline{\hat{\imath}-I} 1=\hat{\mathrm{\imath}} 1-1=\underline{\underline{\bigvee\urcorner+7}}-\underbrace{\mathfrak{Z}_{7}-7}=2\rceil \Rightarrow \Re_{\hat{\imath}-I}=\mathcal{D}_{\imath} \\
& \underbrace{\hat{\imath}-I} 1=0 \Rightarrow 7=0 \Rightarrow 1=\mathfrak{7}-7=0 \mathrm{inj} \\
& \underbrace{\hat{\imath}+I} \overparen{\hat{\mathrm{q}}}-I^{-1} 7=\underbrace{\hat{\mathrm{t}}+I} \frac{1}{2}=\frac{\hat{\mathrm{L}} 1+1}{2}=\frac{\mathrm{Z} 7+7+\mathfrak{\mathrm { Z } 7 - 7}}{2}=\mathrm{\imath} 7
\end{aligned}
$$

