$$\mathbb{1}^{\sharp}|\mathbb{T} = \mathbb{C}\triangledown_0{}_{\mathbb{1}|\mathbb{T}} \xrightarrow[\text{homeo}]{\hat{\mathbb{T}}} {}^{\mathbb{T}}(\mathbb{1}|\mathbb{T})^{\sharp}$$

$$\mathbb{L} \mapsto \mathbb{L}\mathbb{T}$$

$$\hat{\mathbb{T}} \text{ stet surj}$$

$$^{\mathbb{L}}\hat{\mathbb{T}} = {}^{\acute{\mathbb{L}}}\hat{\mathbb{T}} \Rightarrow \mathbb{L}\mathbb{T} = \acute{\mathbb{L}}\mathbb{T} \Rightarrow \mathbb{L}\mathbb{T}^{*} = \underline{\mathbb{L}\mathbb{T}} = \underline{\acute{\mathbb{L}}\mathbb{T}} = \acute{\mathbb{L}}\mathbb{T}^{*} \underset{\text{mult}}{\overset{\text{lin}}{\Rightarrow}} \mathbb{L} = \acute{\mathbb{L}} \text{ on } \mathbb{1}|_0\mathbb{T} \underset{\text{stet}}{\Rightarrow} \mathbb{L} = \acute{\mathbb{L}} \Rightarrow \hat{\mathbb{T}} \text{ inj}$$

$$\mathbb{C}\triangledown_0{}_{\mathbb{1}|\mathbb{T}} \text{ cpt } \Rightarrow \hat{\mathbb{T}} \text{ homeo}$$

$$C^{*} \text{ alg unit } \mathbb{1} \ni \mathbb{T} \text{ normal}$$

$$\mathbb{1}^{\sharp}_{\mathbb{T}} = (\mathbb{1}|\mathbb{T})^{\sharp}_{\mathbb{T}}$$

$$\mathbb{1}|\mathbb{T} \underset{\text{unit subalg}}{\overset{\text{abg}}{\sqsubset}} \mathbb{1} \Rightarrow \mathbb{1}^{\sharp}_{\mathbb{T}} \subset (\mathbb{1}|\mathbb{T})^{\sharp}_{\mathbb{T}}$$

$$\lightning \bigvee \lambda \in (\mathbb{1}|\mathbb{T})^{\sharp}_{\mathbb{T}} \llcorner \mathbb{1}^{\sharp}_{\mathbb{T}} \Rightarrow \lambda e - \mathbb{T} \in \mathbb{1}_{\mathsf{C}}$$

$$\bigwedge_{\varepsilon > 0} \bigvee \gamma \in (\mathbb{1}|\mathbb{T})^{\sharp}_{\mathbb{T}}\triangle_0\mathbb{C} \begin{cases} {}^{\infty}\ulcorner\gamma\urcorner = 1 \\ \bigwedge_{\ulcorner\zeta - \lambda\urcorner > \varepsilon} {}^{\zeta}\gamma = 0 \end{cases}$$

$$\Rightarrow {}^{\infty}\ulcorner(\lambda - I)\gamma\urcorner = \Upsilon_{\zeta}^{(\mathbb{1}|\mathbb{T})^{\sharp}_{\mathbb{T}}} \ulcorner(\lambda - \zeta)^{\zeta}\gamma\urcorner = \Upsilon_{\zeta}^{(\mathbb{1}|\mathbb{T})^{\sharp}_{\mathbb{T}}\ulcorner\zeta - \lambda\urcorner \leqslant \varepsilon} \ulcorner(\lambda - \zeta)^{\zeta}\gamma\urcorner \leqslant \varepsilon$$

$$\hat{\mathbb{T}} \ltimes \gamma \in (\mathbb{1}|\mathbb{T})^{\sharp}_{\mathbb{T}}\triangle_0\mathbb{C} \xleftarrow[C^{*}\text{ iso}]{\wedge} \mathbb{1}|\mathbb{T} \Rightarrow \bigvee_{1 \in \mathbb{1}|\mathbb{T}} \hat{\mathbb{T}} \ltimes \gamma = \hat{1}$$

$$\Rightarrow \underbrace{\lambda e \overset{\wedge}{-} \mathbb{T}}1 = \underbrace{\lambda e \overset{\wedge}{-} \mathbb{T}}\hat{1} = \hat{\mathbb{T}} \ltimes \underbrace{\_\lambda I}\hat{\mathbb{T}} \ltimes \gamma = \hat{\mathbb{T}} \ltimes \overbrace{\underbrace{\_\lambda I}\gamma}$$

$$\Rightarrow \ulcorner\underbrace{\lambda e - \mathbb{T}}1\urcorner = {}^{\infty}\ulcorner\underbrace{\lambda e \overset{\wedge}{-} \mathbb{T}}1\urcorner = {}^{\infty}\ulcorner\hat{\mathbb{T}} \ltimes \overbrace{\underbrace{\_\lambda I}\gamma}\urcorner = {}^{\infty}\ulcorner\underbrace{\_\lambda I}\gamma\urcorner \leqslant \varepsilon$$

$$\Rightarrow 1 = {}^{\infty}\ulcorner\gamma\urcorner = {}^{\infty}\ulcorner\hat{\mathbb{T}} \ltimes \gamma\urcorner = {}^{\infty}\ulcorner\hat{1}\urcorner = \ulcorner 1\urcorner = \ulcorner\underbrace{\lambda e - \mathbb{T}}_{-1}\underbrace{\lambda e - \mathbb{T}}1\urcorner \leqslant \ulcorner\underbrace{\lambda e - \mathbb{T}}_{-1}\urcorner\ulcorner\underbrace{\lambda e - \mathbb{T}}1\urcorner \leqslant \ulcorner\underbrace{\lambda e - \mathbb{T}}_{-1}\urcorner\varepsilon \leadsto 0 \lightning$$

$$\text{normal } \mathbb{T} \in \mathbb{1} \underset{\text{unit *subalg}}{\overset{\text{abg}}{\sqsubset}} \acute{\mathbb{1}} \in \overset{\omega}{\triangledown}_0\mathbb{C} \text{ unit } C^{*} \text{ alg } \Rightarrow \mathbb{1}^{\sharp}_{\mathbb{T}} = \acute{\mathbb{1}}^{\sharp}_{\mathbb{T}}$$