$$ {}^{\ulcorner}_{\lrcorner}\mathcal{E}^{n\mathbb{Z}} = \sum_{\vdash}^{n\mathbb{Z}} \mathcal{E}^{-\vdash \overbrace{\vdash \ulcorner}^{*} + \vdash \lrcorner 2\pi i} $$

$$ \mathcal{I}\,\ulcorner > 0: \quad \mathbb{R}_n \ni \ulcorner $$

$$ {}^{\ulcorner}_{\ulcorner}\mathcal{E}^{n\mathbb{Z}} = \sum_{\lrcorner}^{n\mathbb{Z}} \mathcal{E}^{\pi i \overset{*}{\lrcorner} \ulcorner \lrcorner + 2\pi i \ulcorner \lrcorner} $$

$$ \vdash : \dashv \in \mathbb{Z}_n \Rightarrow {}^{\ulcorner}_{\ulcorner + \dashv + \vdash \lrcorner}\mathcal{E}^{n\mathbb{Z}} = \mathcal{E}^{-\pi i \vdash \ulcorner \overset{*}{\vdash} - 2\pi i \ulcorner \overset{*}{\vdash}}\, {}^{\ulcorner}_{\ulcorner}\mathcal{E}^{n\mathbb{Z}} $$

$$ {}^{\ulcorner}_{\ulcorner + \dashv + \vdash \lrcorner}\mathcal{E}^{n\mathbb{Z}} = \sum_{\lrcorner}^{n\mathbb{Z}} \mathcal{E}^{2\pi i \overset{*}{\lrcorner} \ulcorner \lrcorner + 2\pi i \underbrace{\ulcorner + \dashv + \vdash \ulcorner} \lrcorner} = \underbrace{\mathcal{E}^{2\pi i \dashv \lrcorner}}_{=1} \sum_{\lrcorner}^{n\mathbb{Z}} \mathcal{E}^{\pi i \overset{*}{\lrcorner} \ulcorner \lrcorner + 2\pi i \ulcorner \lrcorner + 2\pi i \vdash \ulcorner \lrcorner} $$

$$ = \sum_{\lrcorner}^{n\mathbb{Z}} \mathcal{E}^{\pi i \overbrace{\lrcorner + \overset{*}{\vdash}}^{*} \ulcorner \underbrace{\lrcorner + \overset{*}{\vdash}} - \pi i \vdash \ulcorner \overset{*}{\vdash} + 2\pi i \ulcorner \underbrace{\lrcorner + \overset{*}{\vdash}} - 2\pi i \ulcorner \overset{*}{\vdash}} = \mathcal{E}^{-\pi i \vdash \ulcorner \overset{*}{\vdash} - \ulcorner \overset{*}{\vdash}} \underbrace{\sum_{\lrcorner}^{n\mathbb{Z}} \mathcal{E}^{\pi i \overbrace{\lrcorner + \overset{*}{\vdash}}^{*} \ulcorner \underbrace{\lrcorner + \overset{*}{\vdash}} + 2\pi i \ulcorner \underbrace{\lrcorner + \overset{*}{\vdash}}}}_{= {}^{\ulcorner}_{\ulcorner}\mathcal{E}^{n\mathbb{Z}}} $$

$$ {}^{\mathcal{I}\,\sqrt{\ulcorner}\,\ulcorner}_{\ulcorner\,\ulcorner}\Theta = \overbrace{\ulcorner}^{-\,1/2}\, {}^{\sqrt{\ulcorner}}_{\ulcorner}\Theta $$

$$ {}^{\sqrt{\ulcorner} + \sqrt{\ulcorner}}_{\ulcorner}\Theta = {}^{\sqrt{\ulcorner}}_{\ulcorner}\Theta $$