$$\underbrace{i\mathbb{R}^{D} \overset{2}{\triangle} \mathbb{C}}_{} \boxtimes \mathcal{F} \boxtimes \bar{\mathcal{F}}$$

$$\underbrace{\not{L}\varphi_{\alpha}}_{} \boxtimes \bar{\varphi}^{\alpha} = \varphi_{\alpha} \boxtimes \underbrace{\bar{\not{L}}\bar{\varphi}^{\alpha}}_{}$$

$$\not{L} \boxtimes \bar{\imath} = \imath \boxtimes \bar{\not{L}}$$

$$\text{LHS} = \underbrace{\not{L} \boxtimes \bar{\imath}}_{} \underbrace{\varphi_{\alpha} \boxtimes \bar{\varphi}^{\alpha}}_{} = \underbrace{\imath \boxtimes \bar{\not{L}}}_{} \underbrace{\varphi_{\alpha} \boxtimes \bar{\varphi}^{\alpha}}_{} = \text{RHS}$$

$$\bigotimes_{n}^{\mathbb{Z}} \ni \bigotimes_{n}^{\mathbb{Z}} \Phi_{n}$$

$$\sum_{n}^{\mathbb{Z}} \underbrace{\bigotimes_{m}^{<n} \Phi_{m}}_{} \boxtimes \underbrace{L_{n}\Phi_{n}}_{} \boxtimes \underbrace{\bigotimes_{m}^{>n} \Phi_{m}}_{} = 0$$