$$\mathcal{P}|\,X_{\mathbb{C}} = \sum_{\mu_{\mathbb{C}}} \mathcal{P}^{\mu_{\mathbb{C}}}|\,X_{\mathbb{C}}$$

$$\mathcal{P}|X = \sum_{\mu} \mathcal{P}^{\mu}|X$$

$$\mathcal{P}|\,X^{\mathbb{C}} = \sum_{\mu} \mathcal{P}^{\mu}|\,X^{\mathbb{C}}$$

$$z \in Z_{\mathbb{C}} \xrightarrow[\text{hol}]{} X^{\mathbb{C}} \ni z\,\widetilde{z}^{*} = w$$

$$X^{\mathbb{C}} = \frac{w \in U_{\mathbb{C}}}{\widetilde{w} = w^{*}}$$

$$\widetilde{w} = \widetilde{z}\, z^{*} = w^{*}$$

$$_{z}Z^{\mu}_{\mathbb{C}} = {}^{z\widetilde{z}^{*}}X^{\mathbb{C}}_{\mu}$$

$$X \sqsubset Z = X \times Y \times V$$

$${}^{x}\varphi^{\mu} \in \mathcal{P}^{\mu}|X$$

$$\mu_{\mathbb{C}} \text{ length } r_{\mathbb{C}}$$

$$K \text{ inv } \mathcal{P}^{\mu_{\mathbb{C}}}\left(Z_{\mathbb{C}}\right)^{K} = \mathbb{C} < {}^{z}\varphi^{\mu}_{\mathbb{C}} >$$

$${}^{x}\varphi^{\mu}_{\mathbb{C}} = \begin{cases} {}^{x}\varphi^{\mu} & A \\ {}^{x^2}\varphi^{\mu} & \text{non } A \end{cases}$$