product case

$$\mathcal{Z} \xrightarrow[\text{Jor refl}]{\sharp} \mathcal{Z}$$

$$\mathcal{Z} = \mathcal{Z}_+ \times \mathcal{Z}_-$$

$$\mathcal{Z}_\pm = {}^{\pm}\rceil \mathcal{Z}$$

$$\mathcal{Z} = Z \times Z$$

$$\overset{\sharp}{\overbrace{z{:}w}} = (w{:}z)$$

$$\mathcal{Z}_+ = \frac{z{:}z}{z \in Z}$$

$$\mathcal{Z}_- = \frac{z{:}-z}{z \in Z} = Z$$

$$\mathcal{G} = G \times G$$

$$\overset{\sharp}{G} \times \overset{\sharp}{G} \xrightarrow[\text{tens}]{} \overset{\sharp}{\mathcal{G}} \xrightarrow[\text{res}]{} \overset{\sharp}{G}$$

$$[\mathcal{G}] = [G] \boxtimes [G]$$

$$B_{\underset{\omega}{\triangle}} \overbrace{Z_{\underset{\frown}{\triangle}} \overset{\mu}{\mathbb{C}}}^{-\nu} \xleftarrow{g_{TK}^{-\nu\mu}} B_{\underset{\omega}{\triangle}} \overbrace{Z_{\underset{\frown}{\triangle}} \overset{\mu}{\mathbb{C}}}^{-\nu} : {}^{z|\zeta}\overbrace{g_{TK}^{-\nu\mu}\text{ʖ}} = {}_T^z g^{\nu} \ {}^{zg|\zeta^z}\underline{g}\text{ʖ}$$

$$\begin{cases} \sum_{\mu}^{r\mathbb{N}_+} B_{\underset{\omega}{\triangle}} \overbrace{Z_{\underset{\frown}{\triangle}} \overset{\mu}{\mathbb{C}}}^{-\nu_1 - \nu_2} \underset{\exists}{\leftarrow} \underbrace{B_{\underset{\omega}{\triangle}} \overset{-\nu_1}{\mathbb{C}}} \boxtimes \underbrace{B_{\underset{\omega}{\triangle}} \overset{-\nu_2}{\mathbb{C}}} & \nu_1 \geqslant \nu_2 > a(r-1)/2 \\ \sum_{\mu}^{k\mathbb{N}_+} B_{\underset{\omega}{\triangle}} \overbrace{Z_{\underset{\frown}{\triangle}} \overset{\mu}{\mathbb{C}}}^{-\nu_1 - \nu_2} \underset{\exists}{\leftarrow} \underbrace{B_{\underset{\omega}{\triangle}} \overset{-\nu_1}{\mathbb{C}}} \boxtimes \underbrace{B_{\underset{\omega}{\triangle}} \overset{-\nu_2}{\mathbb{C}}} & \nu_1 \geqslant \nu_2 = ak/2 \end{cases}$$

$${}^{z}\overbrace{\mathcal{J}^{\mu}\text{ʅ}\boxtimes\text{ɟ}} = \int_{du}^{B} {}^{u}\Delta_u^{\nu_1 - p}\ {}^{u}\text{ʅ} \int_{dv}^{B} {}^{v}\Delta_v^{\nu_2 - p}\ {}^{v}\text{ɟ}\ {}^{z}\Delta_u^{-\nu_1}\ {}^{z}\Delta_v^{-\nu_2}\ {}^{\zeta}\mathcal{E}^{\mu}_{u^z - v^z}$$

$${}^{z}\overbrace{\mathcal{J}\text{ʅ}\boxtimes\text{ɟ}} = \int_{du}^{B} {}^{u}\Delta_u^{\nu_1 - p}\ {}^{u}\text{ʅ} \int_{dv}^{B} {}^{v}\Delta_v^{\nu_2 - p}\ {}^{v}\text{ɟ}\ {}^{z}\Delta_u^{-\nu_1}\ {}^{z}\Delta_v^{-\nu_2}\ {}^{\zeta}\mathfrak{e}_{u^z - v^z}$$

$${}^{z|\zeta}\mathcal{J}^{\mu}_{u:v} = {}^{z}\Delta_u^{-\nu_1}\ {}^{z}\Delta_v^{-\nu_2}\ {}^{\zeta}\mathcal{E}^{\mu}_{u^z - v^z} \in {}^{Z}{\underset{\frown}{\triangle}} \overset{\mu}{\mathbb{C}}$$

$$ {}^{\zeta}\mathcal{E}^{\mu}_{u^z - v^z} = {}^{\zeta^z g}_{-}\mathcal{E}^{\mu}_{({}^u g)^{z_g} - ({}^v g)^{z_g}} $$

$$ {}^{z}_{\delta}\mathfrak{g}^{-\nu}_{w} = \nu\, {}^{z}_{\delta}\mathfrak{g}^{-\nu}_{w} $$

Peirce case

$$ \begin{cases} \mathcal{Z} = \mathcal{Z}_c^2 \times \mathcal{Z}_c^1 \times \mathcal{Z}_c^0 & \overbrace{z_2 + z_1 + z_0}^{\sharp} = z_2 - z_1 + z_0 \\ \mathcal{Z} = \mathcal{Z}_e^2 \times \mathcal{Z}_e^1 & \overbrace{z_2 + z_1}^{\sharp} = z_2 - z_1 \end{cases} \Longrightarrow \begin{cases} \mathcal{Z}_+ = \mathcal{Z}_c^2 \times \mathcal{Z}_c^0 & \mathcal{Z}_- = \mathcal{Z}_c^1 = Z \\ \mathcal{Z}_+ = \mathcal{Z}_c^2 & \mathcal{Z}_- = \mathcal{Z}_c^1 = Z \end{cases} $$

$$ \mathcal{G} = \mho | \mathcal{B} $$

$$ G = \frac{g \in \mathcal{G}}{{}^{z}\overset{\sharp}{g} = \overset{\sharp}{{}^{z}g}} = \mho | \mathcal{Z}_+ = \mho | Z $$

$$ K_j = \frac{h \in K}{\underbrace{e_1 + \cdots + e_j}\, h = e_1 + \cdots + e_j} $$

$$ \mathbb{C} \underset{K_j}{\times} K = \frac{\xi \spadesuit k = h^{\chi_j} \xi \spadesuit hk}{} $$

general case

$$ \sum_{\mu} {}^{+D}\underset{\omega}{\triangle}^{2} \overbrace{{}_{-}Z \underset{\frown}{\triangle} \overset{\mu}{\mathbb{C}}}^{-\nu} \xleftarrow{\ \mathcal{I}\ } {}^{D}\underset{\omega}{\triangle}^{2} \overset{-\nu}{\mathbb{C}} : {}^{-\zeta :_{+} z} \overbrace{\mathcal{I}_{\mu} ʖ} = \int_{dw}^{D} {}^{\zeta} K^{\mu}_{w^z}\, {}^{w} ʖ $$

$$ \qquad G \text{ var} $$

$$ \mathbb{G}_j Z \underset{\omega}{\triangle} \mathcal{L}_j^{\ell} = \frac{S_j^{\mathbb{C}} \xrightarrow[\text{hol}]{ʖ} \mathbb{C}}{{}^{zh} ʖ = h^{\chi_j z} ʖ} $$

$$ S_j^{\mathbb{C}} \breve{ʖ} \in {}^{\mathbb{G}_j Z} \underset{\omega}{\triangle} \mathcal{L}_j^{\ell} \leftarrow {}^{Z} \underset{\frown}{\triangle}^{\ell \cdot \cdot \ell 0 \cdot \cdot 0} \mathbb{C} \ni 1 $$