

$$\alpha_j = d/r + (j-1)\,a/2 = 1 + (r-1)\,a/2 + (j-1)\,a/2 = 1 + (r+j-2)\,a/2$$

$$\alpha_r = 1 + (r-1)\,a = p-1$$

$$\circ_{\mathbb{C}}^{\mathbb{T}} \triangleright_{\omega}^{\check{\zeta}} \mathbb{C} \xleftarrow[\text{unit}]{} G \times \circ_{\mathbb{C}}^{\mathbb{T}} \triangleright_{\omega}^{\check{\zeta}} \mathbb{C}$$

$$\widehat{{}^z g \ltimes \widehat{\gamma}} = {}^z \underline{g}^\nu {}^{zg} \underline{\gamma}$$

$${}^{zg}\circ_{\mathbb{C}}^{\mathbb{T}} {}^w g = {}^w \underline{g}^{\ast\nu} \circ_{\mathbb{C}}^{\mathbb{T}} {}^z w {}^z \underline{g}^\nu$$

$${}^{-1} \overline{g} \ltimes {}_{\mathbb{C}}^{\mathbb{T}} {}^{-\nu} w = {}_{\mathbb{C}}^{\mathbb{T}} {}^{-\nu} w {}^w \underline{g}^{\ast\nu}$$

$${}^{zg} \text{LHS} = {}^{zg} \underline{g}^{-1\nu} {}_{\mathbb{C}}^{\mathbb{T}} {}^{-\nu} w = {}^z \underline{g}^{-\nu} {}_{\mathbb{C}}^{\mathbb{T}} {}^{-\nu} w = \overbrace{{}_{\mathbb{C}}^{\mathbb{T}} {}^z \underline{g}}^{-\nu} = \overbrace{{}^w \underline{g}^{-1} {}^{zg} {}_{\mathbb{C}}^{\mathbb{T}} w}^{-\nu} = {}^{zg} {}_{\mathbb{C}}^{\mathbb{T}} {}^{-\nu} w {}^w \underline{g}^{\ast\nu} = {}^{zg} \text{RHS}$$

$$\nu > (r-1)\,a/2$$

$$\circ_G^{\mathbb{T}} \triangleright_{\omega}^2 \mathbb{C} = \sum_{\mu} Z_{\kappa} \triangleright_{\mu}^{\kappa} \mathbb{C}$$

$$\gamma \boxtimes \tau = \sum_{\mu} \frac{\gamma \boxtimes_{\mu} \tau}{(\nu)_{\mu}}$$

$${}_{\mathbb{C}}^{\mathbb{T}} {}^{-\nu} w = \sum_{\mu} (\nu)_{\mu} {}_{\mathbb{C}}^{\mathbb{T}} {}^{\mu} w$$