

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

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

$$\circlearrowleft_{\mathbb{C}} \triangleleft_w \check{\mathbb{C}} \xleftarrow[\text{unit}]{\times} G \times \circlearrowleft_{\mathbb{C}} \triangleleft_w \check{\mathbb{C}}$$

$$\overline{z \times \check{\gamma}} = \underline{z \underline{g}^\nu z^g \check{\gamma}}$$

$${}^{zg} \circlearrowleft_{wg}^\nu = w \underline{g}^* \circlearrowleft_w^\nu z \underline{g}^\nu$$

$$\check{g}^{-1} \times \circlearrowleft_w^{-\nu} = \circlearrowleft_{wg}^{-\nu} w \underline{g}^* \nu$$

$${}^{zg} \text{LHS} = {}^{zg} \underline{g}^{-1\nu} \circlearrowleft_w^{-\nu} = \underline{z \underline{g}^{-\nu}} \circlearrowleft_w^{-\nu} = \overline{\circlearrowleft_w^{-\nu} z \underline{g}^\nu} = \overline{w \underline{g}^* \circlearrowleft_{wg}^{-\nu}} = \circlearrowleft_{wg}^{-\nu} w \underline{g}^* \nu = {}^{zg} \text{RHS}$$

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

$$\circlearrowleft_G \triangleleft_w^2 \check{\mathbb{C}} = \sum_{\mu} Z_{\kappa} \triangleleft_w^{\mu} \check{\mathbb{C}}$$

$$\check{\gamma} \times_{\check{\nu}} \check{\gamma} = \sum_{\mu} \frac{\mu \check{\gamma} \times_{\mu} \check{\gamma}}{(\nu)_{\mu}}$$

$$\circlearrowleft_w^{-\nu} = \sum_{\mu} (\nu)_{\mu} \circlearrowleft_{\kappa}^{\mu}$$