

$$\frac{a}{c} \Big| \frac{b}{d} \in {}^2\mathbb{R}_2^{\mathbb{C}}$$

$$1|\tau \frac{a}{c} \Big| \frac{b}{d} = a + \tau c \Big| b + \tau d = \frac{b + \tau d}{a + \tau c}$$

$$\frac{\alpha}{\gamma} \Big| \frac{\beta}{\delta} \in {}^2\mathbb{Z}_2^{\mathbb{C}}$$

$$\omega_1 \Big| \omega_2 \frac{\alpha}{\gamma} \Big| \frac{\beta}{\delta} = \omega_1 \alpha + \omega_2 \gamma \Big| \omega_1 \beta + \omega_2 \delta = \frac{\omega_1 \beta + \omega_2 \delta}{\omega_1 \alpha + \omega_2 \gamma} = \frac{\beta + \frac{\omega_2 \delta}{\omega_1}}{\alpha + \frac{\omega_2 \gamma}{\omega_1}} = 1 \Big| \frac{\omega_2}{\omega_1} \frac{\alpha}{\gamma} \Big| \frac{\beta}{\delta}$$

$$z \overline{1|\mathbb{Z}^2} = z \overline{1|\tau^2\mathbb{Z}} = \frac{z - \Omega}{-2n} - \frac{\check{\Omega}}{-2n} = z^{-2n} + \sum_{\omega}^{1|\tau^2\mathbb{Z} \perp 0} \overbrace{(z - \omega)^{-2n} - \omega^{-2n}}$$

$$\infty \overline{1|\tau^2\mathbb{Z}} = - \sum_{\omega}^{1|\tau^2\mathbb{Z} \perp 0} \frac{1}{\omega^{2n}}$$

$$z \overline{1|\tau^2\mathbb{Z}} = z^{-2} + \sum_{\omega}^{1|\tau^2\mathbb{Z} \perp 0} \overbrace{(z - \omega)^{-2} - \omega^{-2}}$$

$$\mathbb{C} \overline{\triangleleft_m \mathbb{C}} \ni \overline{1|\tau^2\mathbb{Z}} \in \mathbb{C} \overline{\perp 1|\tau^2\mathbb{Z}} \overline{\triangleleft_m \mathbb{C}}$$

$$\overline{1|\tau^2\mathbb{Z}} \in \mathbb{C} \overline{\perp 1|\tau^2\mathbb{Z}} \overline{\triangleleft_m \mathbb{C}} \ni \overline{1|\tau^2\mathbb{Z}}$$

$$z \overline{1|\tau^2\mathbb{Z}}^2 = 4 \overline{1|\tau^2\mathbb{Z}}^3 + 60 \overline{1|\tau^2\mathbb{Z}} \overline{1|\tau^2\mathbb{Z}} + 140 \overline{1|\tau^2\mathbb{Z}}$$

$$\frac{z - \Omega}{-2} \frac{2}{-} \frac{\check{\Omega}}{-2} = 4 \left(\frac{z - \Omega}{-2} \frac{3}{-} \frac{\check{\Omega}}{-2} \right) - 60 \frac{\check{\Omega}}{-4} \left(\frac{z - \Omega}{-2} - \frac{\check{\Omega}}{-2} \right) - 140 \frac{\check{\Omega}}{-6}$$

$$z + 1|\tau^2\mathbb{Z} \in \mathbb{C} \overline{\perp 1|\tau^2\mathbb{Z}} \xrightarrow{\begin{smallmatrix} +:+:1 \\ \text{inj} \end{smallmatrix}} \mathbb{P}^2\mathbb{C} \ni \begin{cases} z+:z+:1 & z \notin \mathbb{Z}^2 \cdot \tau \\ 0:1:0 & z \in \tau^2\mathbb{Z} \end{cases}$$