$$1_{\mathbb{C}} \, 1_{\mathbb{C}}^{0}$$

$$1_{\mathbb{C}} = \mathbb{P}^1$$

$$y^2 = x^3 + 3\, f_z\, x + 2\, g_z$$

$$z \in \mathbb{P}$$

$$g = \begin{array}{c|c} a & b \\ \hline c & d \end{array} \in SL_2^{\mathbb{C}}$$

$$\text{out } g \ltimes \begin{bmatrix} f \\ g \end{bmatrix} = \begin{bmatrix} f\left(\dfrac{az+b}{cz+d}\right) \\ g\left(\dfrac{az+b}{cz+d}\right) \end{bmatrix}$$

$$g(z) = \frac{az+b}{cz+d}$$

$$\deg f = 8$$

$$\deg g = 12$$

$$^z f = \sum_{i}^{0|8} f_i\, z^i$$

$$^z g = \sum_{j}^{0|12} g_j\, z^j$$

$$\text{int } \lambda \ltimes \begin{bmatrix} f_i \\ g_j \end{bmatrix} = \begin{bmatrix} \lambda^3 f_i \\ \lambda^2 g_j \end{bmatrix}$$

$$[\mathbb{P}\, 1_{\mathbb{C}}^{0}] = \mathbb{C}^{9:13} / SL_2^{\mathbb{C}} \times \mathbb{C}^{\times}$$