Weil

$$\sum_k c_k V_k$$

$$c_k \in \mathbb{Z}$$

$$\operatorname{codim} V_k = 1$$

principal

$$\daleth \in {}^{\hbar}\triangle_m^{\times} \mathbb{C}$$

$$(\daleth)_\pm = \frac{h \in \hbar}{{}^{h}\daleth^{\pm 1} = 0}$$

$$(\daleth) = (\daleth)_+ - (\daleth)_- = \sum_i a_i (\daleth)_+^i - \sum_j b_j (\daleth)_-^j$$

$$\sum_i a_i = \sum_j b_j$$

Cartier

$$.\daleth = \left({}_i\daleth\right) \text{ glob sect } \mathcal{M}^* / \mathcal{O}^*$$

$$\hbar = \bigcup_i^I {}_i\hbar$$

$${}_i\daleth \in {}^{{}_i\hbar}\triangle_m^{\times} \mathbb{C}$$

$$\frac{{}_i\daleth}{{}_j\daleth} = {}_{ij}\daleth \in {}^{\hbar_{ij}}\triangle_\omega \mathbb{C}^\times$$

$$\left({}_i\daleth\right)_\pm = \frac{h \in \hbar_i}{{}^{h}_{i}\daleth^{\pm 1} = 0} \Longrightarrow \left({}_i\daleth\right)_\pm \underset{\hbar_{ij}}{=} \left({}_j\daleth\right)_\pm$$

$$(.\daleth)_\pm \underset{\hbar_i}{=} \left({}_i\daleth\right)_\pm$$

$$(.\daleth) = (.\daleth)_+ - (.\daleth)_-$$

Picard

$$[.\daleth] = \hbar \underset{..\daleth}{\times} \mathbb{C} = \left(\hbar_i\right) \underset{ij\daleth}{\times} \mathbb{C}$$