$$1 \cdot z = \lambda x + \mu y$$

$$x \overset{*}{x} \leqslant 1$$

$$y \overset{*}{y} \leqslant 1$$

$$x \overset{*}{y} < x \overset{*}{x} y \overset{*}{y} \leqslant 1$$

$$\lambda + \mu = 1 \Longrightarrow \overset{2}{\lambda} + 2\lambda\mu + \overset{2}{\mu} = 1$$

$$z \overset{*}{z} = \underbrace{\lambda x + \mu y} \overset{*}{\overbrace{\lambda x + \mu y}} = \overset{2}{\lambda} x \overset{*}{x} + 2\lambda\mu x \overset{*}{y} + \overset{2}{\mu} y \overset{*}{y} \leqslant \overset{2}{\lambda} + 2\lambda\mu \overline{x \overset{*}{y}} + \overset{2}{\mu} < 1$$

$$2 \cdot \ \text{conv comp} \ \overset{\frown}{0|}_{\pi}^{\,n} \xrightarrow[\text{stet}]{} \mathbb{C}^n_{\mho} \ \text{comp zush ab Gruppe}$$

$$w^1 : \cdots : w^n = w \mapsto \bar{w} = \bar{w}^1 : \cdots : \bar{w}^n \ \text{auto}$$

$$3 \cdot \vartheta \in \mathbb{C}^n_{\mho}$$

$$\int_{dw^{\cdot}}^{\mathbb{C}^n_{\mho}} {}^{w}\rceil = \int_{dw^{\cdot}}^{\mathbb{C}^n_{\mho}} {}^{\vartheta w}\rceil = \int_{dw^{\cdot}}^{\mathbb{C}^n_{\mho}} {}^{\bar{w}}\rceil$$

$$4 \cdot \partial^{\alpha} z^{\not\beta} = z^{\beta \setminus \alpha}$$

$$\frac{\partial}{{}^{i}z_{j}} \det z_{\, z \equiv e}$$

$$\det z = {}^{1}z_{1}\, {}^{2}z_{2} - {}^{1}z_{2}\, {}^{2}z_{1}$$

$$\frac{\partial}{{}^{1}z_{1}} \det z = {}^{2}z_{2} : \quad \frac{\partial}{{}^{1}z_{2}} \det z = -{}^{2}z_{1} : \quad \frac{\partial}{{}^{2}z_{1}} \det z = -{}^{1}z_{2} : \quad \frac{\partial}{{}^{2}z_{2}} \det z = {}^{1}z_{1}$$

$$\det z = \sum_{\pi} \overset{\pi}{-1} \prod_{k} {}^{k}z_{\pi(k)}$$

$$\frac{\partial}{{}^{i}z_{j}} \det z = \frac{\partial}{{}^{i}z_{j}} \sum_{\pi(i) = j} \overset{\pi}{-1} \prod_{k} {}^{k}z_{\pi(k)} = \sum_{\pi(i) = j} \overset{\pi}{-1} \prod_{k \neq i} {}^{k}z_{\pi(k)}$$

$$= \overset{i+j}{-1} \sum_{\pi(i) = j} \overset{\pi}{-1} \prod_{k \neq i} {}^{k}z_{\pi(k)}$$

$$\begin{array}{ccc} (1{\cdot\cdot}i-1i+1{\cdot\cdot}n) & \xrightarrow{\quad\pi\quad} & (1{\cdot\cdot}j-1j+1{\cdot\cdot}n) \\ \big\downarrow \asymp & & \big\downarrow \asymp \\ 1{\cdot\cdot}n-1 & \xrightarrow{\quad\sigma\quad} & 1{\cdot\cdot}n-1 \end{array}$$