

$$\mathbb{C} \triangleleft \mathbb{N} \ni \varphi_n$$

$$\boxed{z^n}$$

$$\sum_n \boxed{z^n} \varphi_n \in \mathbb{C} \triangleleft \mathbb{N} \subset \mathbb{C}$$

$$\boxed{z^n} = z^n (n+)^{1/2}$$

$$\int_{dz/\pi} \bar{z}^m z^n = m \delta^n \frac{1}{n+}$$

$$\begin{aligned} \nu = 2: \int_{dz/\pi} \bar{z}^m z^n &= \int_{2rdr}^{\mathbb{R}} \int_{dt/2\pi}^{0|2\pi} (r^{it} \mathbf{e})^m (r^{it} \mathbf{e})^n = \int_{2rdr}^{\mathbb{R}} \int_{dt/2\pi}^{0|2\pi} r^{m+n} e^{it(n-m)} = \int_{2rdr}^{\mathbb{R}} r^{m+n} \underbrace{\int_{dt/2\pi}^{0|2\pi} e^{it(n-m)}}_{= m \delta^n} \\ &= m \delta^n \int_{2rdr}^{\mathbb{R}} r^{2n} = m \delta^n \int_{d\varrho}^{\mathbb{R}} \varrho^n = m \delta^n \left[ \frac{\varrho^{n+}}{n+} \right]_{\varrho=0}^{\varrho=1} = m \delta^n \frac{1}{n+} \end{aligned}$$