



$$\left\{ \begin{array}{l} \gamma = p/q \\ \gamma \text{ simple poles on } \mathbb{R} \end{array} \right. \quad \bar{\deg} p \leq \bar{\deg} p - 2 \Rightarrow \int_{dx/2\pi}^{\mathbb{R}} x^\gamma = i \sum_{\mathcal{I}z > 0} \text{Res}^z \gamma + \frac{i}{2} \sum_{\mathcal{I}z = 0} \text{Res}^z \gamma$$

$${}^c \bar{\deg} \gamma = -1 \Rightarrow \int_{dz/\pi}^{c+\varepsilon|c-\varepsilon} z^\gamma \rightsquigarrow i \text{Res} \gamma$$

$$\int_{dx/2\pi}^{\mathbb{R}} \frac{1}{x(x-1)} = 0$$