

$$f(z) = \frac{24\pi}{2iz - 1} \quad D = \mathbb{C} \setminus \left\{ \frac{i}{2} \right\}$$

$$f(w) = w \quad z = f(w)$$

$$w = \frac{f(w) + \pi i}{2if(w) - 1}$$

$$w(2if(w) - 1) = f(w) + \pi i$$

$$2iw f(w) - w = f(w) + \pi i$$

$$2iw f(w) - f(w) = \pi i + w$$

$$f(w)[2iw - 1] = \pi i + w$$

$$f(w) = \frac{\pi i + w}{2iw - 1}$$

$$D' = \mathbb{C} \setminus \left\{ \frac{i}{2} \right\}$$