(d) I= | Xdt 80BAG EL CIRMO (2)=1 Descrito EL

(ローエ)

LA DIRECCIÓF LOWTHAMA A LAS MADERILAS DEL DEIOS.

$$2 = e^{it}, 0 \le t \le 2\pi$$

$$\times |t| = (ort, y|t) = fent$$

$$2|t| = x(t) + i fen(t) = (ort + i fent) = 2^{1}(t) = -fent + i fent$$

 $Iz \int X dt = \int_{0}^{2\pi} \omega t \left[-sut + i \omega t \right] dt = -\int_{0}^{2\pi} \omega t \omega t dt + i \int_{0}^{2\pi} \omega t dt$

$$= \frac{\cos^2 t}{2} \Big|_0^{2\pi} + i \left(\frac{t}{2} + \frac{1}{4} + \tan 2t \right) \Big|_0^{2\pi} = \pi$$

 $=\frac{\cos^2 t}{2}\Big|_0^{2\pi}+i\left(\frac{t}{2}+\frac{1}{4}\right)\Big|_0^{2\pi}=\pi i$ $=\frac{1}{2}\left[\frac{t}{2}+\frac{1}{4}\right]$ $=\frac{1}{$

= $\int_{S} tidt + \int_{C} (t+1-it^2)dt = i\frac{t^2}{2} \Big|_{O} + \frac{t^2}{2} + t - i\frac{t^3}{3} \Big|_{O}$

= シャヤーは多=シーリオナナー=ラナシ