(2)
$$\iint_D (x+y) d\sigma$$
, $\not\equiv P D = \{(x,y) \mid x^2 + y^2 \leq x + y\}$;

$$D = \left\{ (\Gamma, \theta) \middle| \Gamma \in Coz\theta + \sin \theta \right\} Q \in \mathbb{L}^{-\frac{1}{2}}$$

$$I = \int_{0}^{12\pi} d\theta \int_{0}^{Coz\theta + \sin \theta} \Gamma^{2}(coz\theta + \sin \theta) d\tau$$

$$= \frac{1}{3} \int_{0}^{22\pi} (Coz\theta + \sin \theta)^{4} d\theta$$

$$S^{2} = \frac{1 - C2\theta}{2}$$

$$\begin{aligned}
& = \frac{1}{5} \int_{-\frac{\pi}{4}}^{\frac{\pi}{4}} (1 + \sin^2 \theta + 2\sin \theta) d\theta \\
& = \frac{1}{3} \left(2 + \frac{1}{4} \int_{-\frac{\pi}{4}}^{\frac{\pi}{4}} (1 - \cos \theta) d\theta + \int_{-\frac{\pi}{4}}^{\frac{\pi}{4}} \sin \theta d\theta$$

$$F = 2x + 4y - 4z + \lambda(x^{2} + y^{2} + z^{2} - 1)$$

$$X = -\frac{1}{3}$$

$$X = \frac{1}{3}$$

$$Y = \frac{1}{3}$$

$$\frac{12\lambda}{5} < \frac{\varphi}{3} \lambda^{-3} \sqrt{15} < \iiint_{\Omega} \sqrt[3]{2x + 4y - 4z + 21} dv < \varphi$$