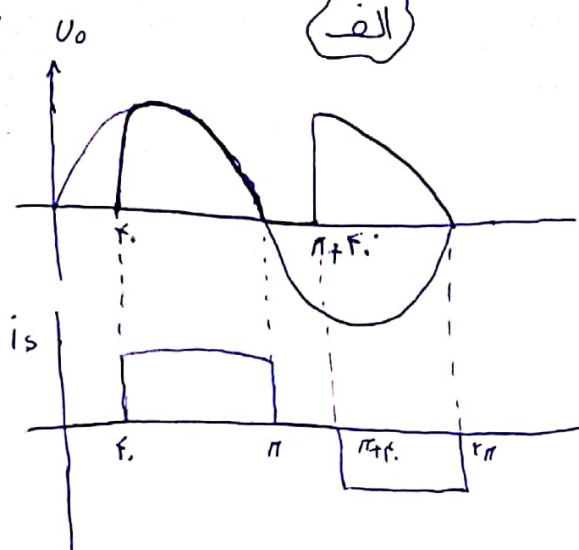


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$$I_d = 1.0 \text{ A}$$

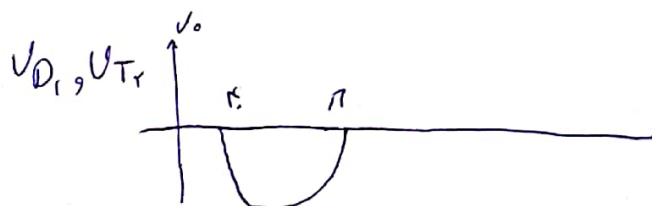
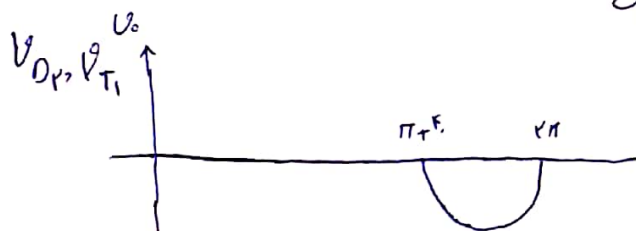
$$\alpha = 40^\circ$$

الف



$$I_d = I_{D1} = I_{T1} = I_{Tr} \text{ and } I_{Dr} = 1.0 \text{ A}$$

مقادیر یکدیگر برابرند  
با هم برابر است



$$V_{DC, D_{r, T1}} = \frac{1}{\pi} \int_{\pi + \alpha}^{2\pi} V_m \sin \omega t \, d\omega t = 170.1 \text{ V}$$

$$V_{DC, D1, Tr} = \frac{1}{\pi} \int_{\alpha}^{\pi} V_m \sin \omega t \, d\omega t = 170.1 \text{ V}$$

$$V_{rms, D1, Tr} = \sqrt{\frac{1}{\pi} \int_{\alpha}^{\pi} V_m^2 \sin^2 \omega t \, d\omega t} = 170.1 \text{ V}$$