a) 
$$(V_0 > 2 D V_1) (C_0 > 2 R)$$

$$D = \frac{20}{50} = 0.4$$

b) 
$$(10) = \frac{20 - 10}{20} = \frac{10}{20} = 0,5 \text{ [A]}$$

c) 
$$I_{min} = \frac{\sqrt{c}}{R} \times \frac{e^{\frac{t-\eta}{2}} - \frac{1}{R}}{e^{\frac{\tau}{2}} - \frac{1}{R}} - \frac{E}{R} = \frac{t_{on} = 0, 4 \times T}{29.04 \text{ ms}}$$

$$= \frac{50}{20} \times \frac{e^{\frac{t-\eta}{25.10^{5}}} - \frac{1}{4}}{e^{\frac{t-\eta}{25.10^{5}}} - \frac{1}{4}} = \frac{10}{20} \times \frac{25 \text{ MSec}}{25.10^{5}} \times \frac{100}{25.10^{5}} \times \frac{100}{25.10^{5$$

$$\frac{z - 0.3156}{z - 1.05} = \frac{1}{20}$$

$$\frac{z - 0.3156}{R} = \frac{1 - e^{\frac{1}{20}}}{1 - e^{\frac{1}{20}.105}} = \frac{E1}{R}$$

$$\frac{1 - e^{\frac{1}{20}.105}}{1 - e^{\frac{1}{20}.105}} = \frac{10}{20}$$

$$\frac{1 - e^{-\frac{1}{20}.105}}{0.04.10^{-3}} = \frac{10}{20}$$

