

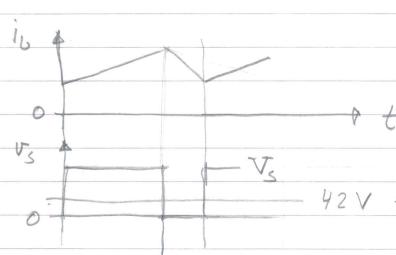
Vg = 320 V

Te = 10 ms

V = 42 V

D=0,7

C = 100 uF



- 42 V = Vo = < Us>Ts

0775 TS

$$V_S \cdot D = V_o$$

ma+m1 = m2-ma

2ma = m2-m1

 $m_1 = m_2 - m_1$ 

m2 D in steady state

 $m_2 = m_2 - m_2 \frac{D'}{D}$ 

 $m_2 = m_2 \frac{1 - D'/D}{2}$ 

 $m_2 = \frac{V_0}{U}$   $m_2 = \frac{42}{50\mu}$   $m_2 = 0.84 \frac{A}{\mu s}$  $m_a = 0.84 \frac{A}{\mu s} \left(\frac{1 - 0.3}{2}\right) = 0.24 \frac{A}{\mu s}$