

son ky sumber teganga DC 60 K L) kapasitor dianggap open circuit

eliminasi Pers (1) Ly) Raralel Cv3 & V2 = 300/7 Volt // 14, = 240/7 Volt

(a) 
$$\frac{1}{2} = \frac{0}{c} = \frac{1}{c} \int \frac{1}{5} s \cdot dt$$
  

$$= \frac{1}{c} \int \frac{1}{5} s \cdot e^{-2t} \cdot dt$$

$$= \frac{1}{c} \left( -25e^{-2t} \cdot + k \right) \cdot 10^{-3}$$

$$\frac{1}{12 \cdot 10^{2} \cdot 3} \left( -25 + k \right) \cdot 10^{-3}$$

$$50 = \frac{1}{12 \cdot 10^{2} \cdot 3} \left( -25 + k \right) \cdot 10^{-3}$$

$$k = 25, 6$$

1) ) 
$$u_{1}(as) = \frac{1}{4} c_{1} v_{1}^{1}$$

=  $\frac{1}{1} \cdot \ln \ln^{4} \left( \frac{10^{as}}{12} \left( -25 e^{24} + 15 \cdot 6 \right)^{2} \right)^{2}$ 

=  $\frac{1}{24} \cdot \left( -25 e^{24(as)} + 15 \cdot 6 \right)^{2} = \frac{1}{14} \left( \frac{25}{c} + 25 \cdot 6 \right)^{2} \int_{0}^{1}$ 

=  $\frac{1}{24} \cdot \left( -25 e^{24(as)} + 15 \cdot 6 \right)^{2} = \frac{1}{14} \left( \frac{25}{c} + 25 \cdot 6 \right)^{2} \int_{0}^{1}$ 

=  $\frac{1}{2} \cdot \ln \left( \left( -25 \cdot e^{24} + 16 \cdot 1 \right) \cdot \frac{10^{a0}}{6} \right)^{4} = \frac{1}{360} \left( -\frac{15}{c} + 26 \cdot 1 \right)^{2} \int_{0}^{1}$ 

>  $u_{1} \cdot u_{2} \cdot u_{3} \cdot$