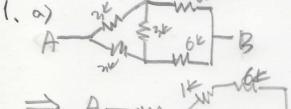


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2024、从水水路对境一子也外对公公人

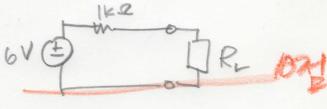


$$3,b)\frac{V_0+0}{2k}-1m+\frac{V_0}{2k}=0$$

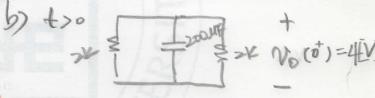


a)
$$-10 + i \cdot 2k + (i + 1m) 2k = D$$

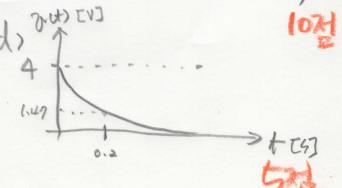
 $8 = 4k \cdot i \quad i = 2mA$



4. a)
$$i(0^{\dagger}) = i_{0}(0^{\dagger})$$
, at $t = 0^{\dagger}$
 $2^{k}e^{-\frac{1}{2}k}e$



2/9/01/= 4 e-+/0/200/+30





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$$\frac{d^{2}vut}{dt^{2}} + \frac{1}{Ro}\frac{dvut}{dt} + \frac{1}{Lo}vut) = 0$$

$$\frac{d^{2}vut}{dt} + 3\frac{dvut}{dt} + 2vut = 0$$

$$\frac{1624}{50}$$

$$\frac{1624}{50}$$

$$\frac{1624}{50}$$

$$\frac{1624}{50}$$

$$\frac{1624}{50}$$

c)
$$v(t) = k_1 e^{-t} + k_2 e^{2t}$$
, too
 $v(0) = k_1 + k_2 = 2$
at the top mode

$$\frac{V(t)}{R} + C \frac{dV(t)}{dt} + \tilde{I}_{L}(t) = 0$$

$$\frac{dV(t)}{dt}\Big|_{t=0} = -\frac{V(0)}{RC} - \frac{\tilde{I}_{L}(0)}{C}$$

$$= -3V(0) - \tilde{I}_{L}(0)$$

$$K_1 + K_2 = 2$$

 $K_1 + 2K_2 = 8$
 $K_2 = 6$ $K_1 = -4$