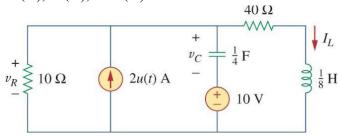
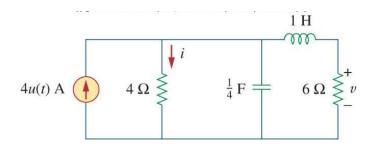
Solução da Lista 6 de Circuitos Elétricos IE

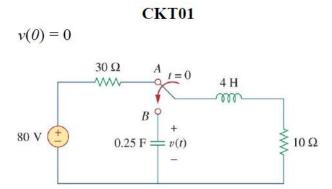
- 1) Para o circuito da Figura abaixo.
- a) iL(0+), vc(0+), e vR(0+),
- b) diL(0+)/dt, dvc(0+)/dt e dvR(0+)/dt,
- c) $iL(\infty)$, $vc(\infty)$, $e vR(\infty)$.

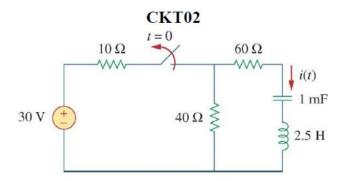


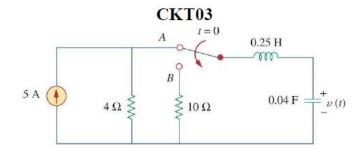
- 2) Para o circuito da Figura abaixo.
- a) i(0+) e v(0+),
- b) di(0+)/dt e dv(0+)/dt,
- c) $i(\infty)$ e $v(\infty)$,

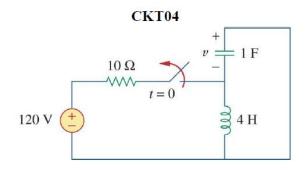


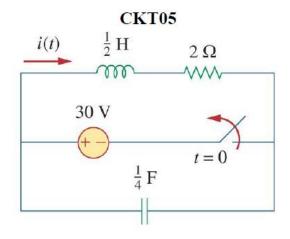
3) Encontre os valores de i(t) e v(t) para t > 0 conforme as demarcações nos circuitos a seguir.

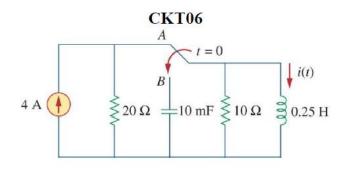


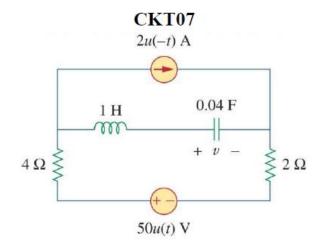


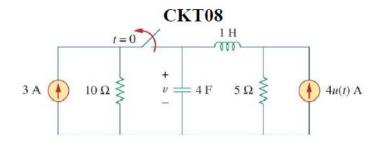


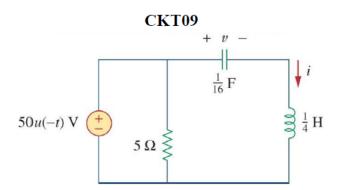


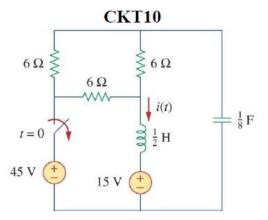












4) Supondo R = 2 k Ω , desenhe um circuito RLC que tenha a equação característica abaixo:

$$s^2 + 100s + 10^6 = 0$$