Given a voltage v(t), find the current i(t).

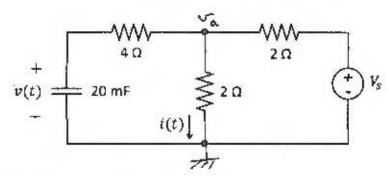
$$v(t) = A_1 + B_1 \cdot e^{-10t}$$

$$I(t) = A_2 + B_2 \cdot e^{-10t}$$

A1:10 V

B1:10 V

Vs: 20 V



NODAL

$$\frac{\sqrt{\alpha}-\sqrt{\gamma}}{4} + \frac{\sqrt{\alpha}-\sqrt{\gamma}}{2} + \frac{\sqrt{\alpha}}{2} = 0$$

$$G_{ij} = \frac{G}{5} + \frac{2V_s}{5}$$

$$i = \frac{\sqrt{3}}{2} = \frac{\sqrt{3}}{10} + \frac{\sqrt{5}}{5} = 1 + e^{-10t} + 4$$