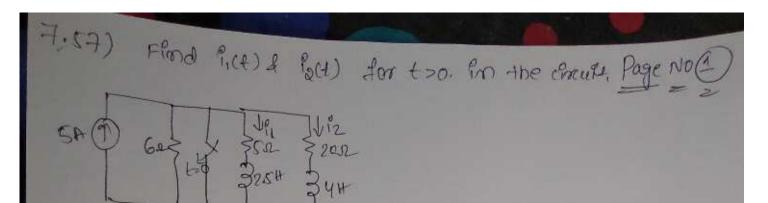
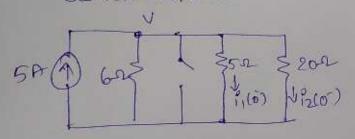
<< Search more Solutions!

Found Errors in Solution? >> Report here!

Answer



for t <0, concult be under steady state wordstron Inductors -> Short arculted suffich - open.



By Nodal analyses
$$5 = \frac{100}{60} + \frac{120}{30} + \frac{120}{30}$$

$$5 = \frac{100}{60} + \frac{120}{30} + \frac{30}{30}$$

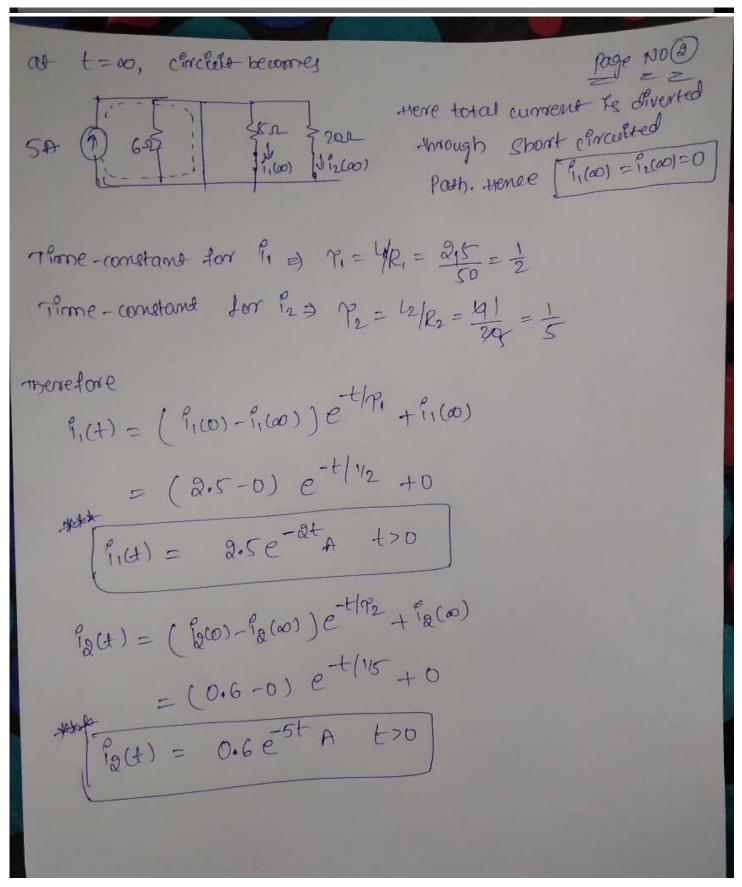
$$300 = 35 \text{ V}$$
 $V = \frac{12}{2500}$
 $V = 12 \text{ VOUT}$

merselone,

$$f_{12}(0) = \frac{V}{20} = \frac{12}{20} = 0.6A$$

current. 80, 100=1,00) = 1460

As we know finductor doesn't anow sudden changes fin
Current. 80,
$$\frac{1}{100}=\frac{1}{1}(0)=\frac{1}{1}(0$$



Likes: 0 Dislikes: 0