

In the circuit shown, at  $t = 0$  sec S1 is closed S2 is closed,  
 at  $t = 0.1$  sec S1 is closed S2 is open, and at  $t = 0.3$  sec S1 is open  
 S2 is closed. Find current through the inductor at  $t = 0.5$  sec

