



# ACT/Preflight 7.3

Both switches are initially open, and the capacitor is uncharged.  
What is the current through the battery after switch 1 has been closed a long time?

1)  $I_b = 0$

2)  $I_b = \mathcal{E}/(3R)$

3)  $I_b = \mathcal{E}/(2R)$

4)  $I_b = \mathcal{E}/R$

