



ACT/Preflight 7.1

Both switches are initially open, and the capacitor is uncharged. What is the current through the battery just after switch S_1 is closed?

1) $I_b = 0$

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

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

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

