

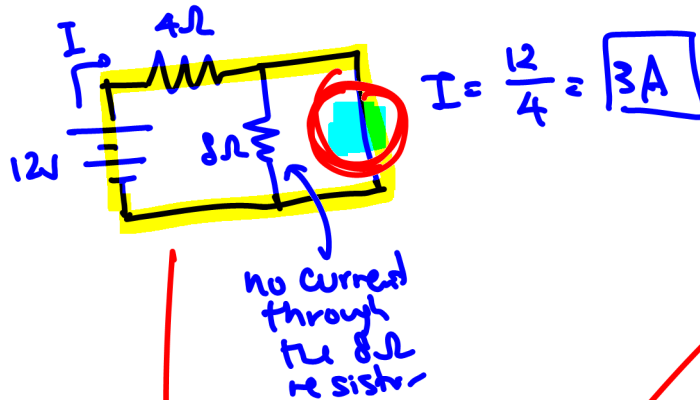
Example: The capacitor in the circuit is initially uncharged. Find the current through the battery

1. Immediately after the switch is closed
2. A long time after the switch is closed

no charge on capacitor

\therefore no voltage

\therefore acts like short circuit



no current flows through the capacitor.

