Discharging Capacitors
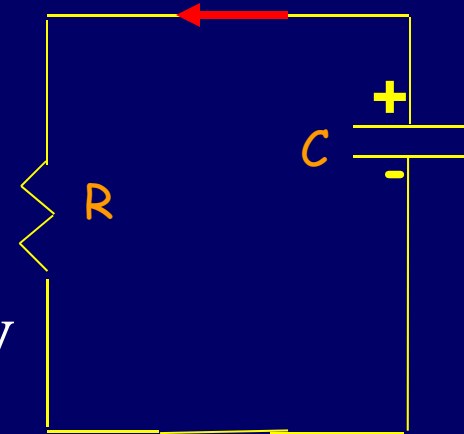

- Capacitor is initially charged (Q) and switch is open. Switch is then closed. What is current I_0 in circuit immediately thereafter?

  – KLR: $Q/C - I_0R = 0$

  – So, $I_0 = Q/RC$

- What is current I_∞ in circuit a long time later?

  – $I_\infty = 0$

Demo