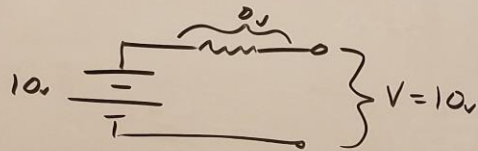
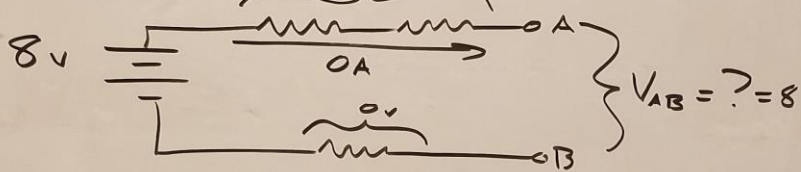
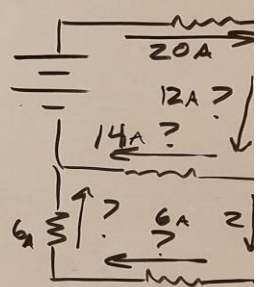


Series & Parallel Circuit +
prob. Super position ov

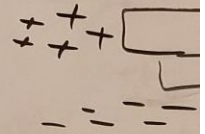


Delta-Wye Conversion

KCL

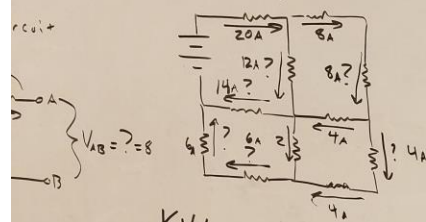


KVL

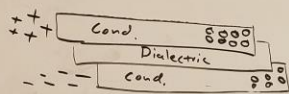


my / shell #s
many valence e's
Insulator / conductors
insulators have 8 valence e's

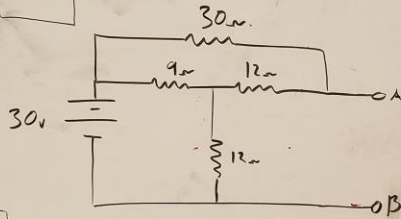
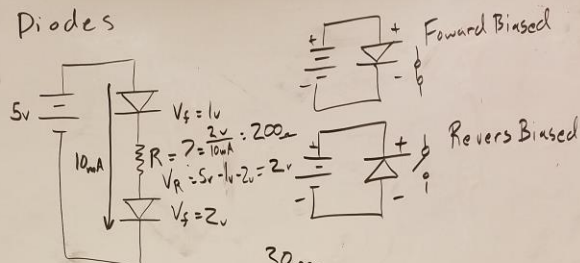
KCL puzzle



KVL



Diodes



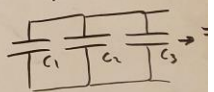
Find Norton / Thvenin
Equivalent

Mesh Analysis
Nodal Analysis
Max Power Tra

Inductors

- Inductance change in
- Self-Induct action + a Back EM Counter EM CEMF
- the change

Caps

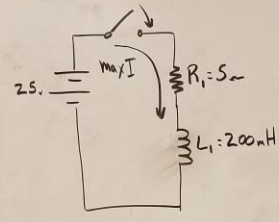


isect
5 Biased

Mesh Analysis
Nodal Analysis
Max Power Transfer

Inductors

- Inductance opposes a change in current
- Self-Inductance is the action that induces a Back EMF that opposes Counter EMF CEMF the change in current



max I = 5A 99.9%

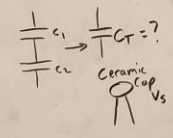
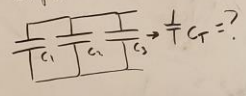


- What is max I = 5A
- How long does it take to reach max I? 0.2 sec
- What is I @ 0.05 sec ?
- I @ 0.12 sec ?
- I @ 0.17 sec ?

+ V_R = _____
+ V_R = _____
+ V_R = _____

$$\tau = 5 \left(\frac{L}{R} \right) = 5 \left(\frac{0.2H}{5} \right) = 0.2 \text{ sec}$$

Caps



Electrolytic Memorize epsilon equation for increasing I

