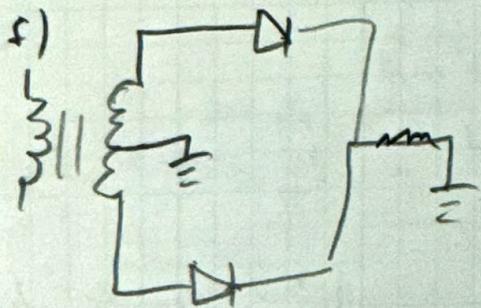


- a) The threshold voltage is about  $0.6\text{V}$
  - b) Two biases, forward and reverse
- | <u>Forward</u> | <u>Reverse</u> |
|----------------|----------------|
|                |                |
- c) As a device that forces current to travel one direction
  - d) If the resistance is the same both ways, the diode is broken
  - e) A practical diode has infinite resistance under reverse biased conditions ( $12$  mV below breakdown voltage)



A center-tapped rectifier has 2 diodes on its circuit

- g) A full wave rectifier has the greater rms voltage output. All have the same peak voltage output
- h) The ripple is caused by the capacitor charging and discharging.