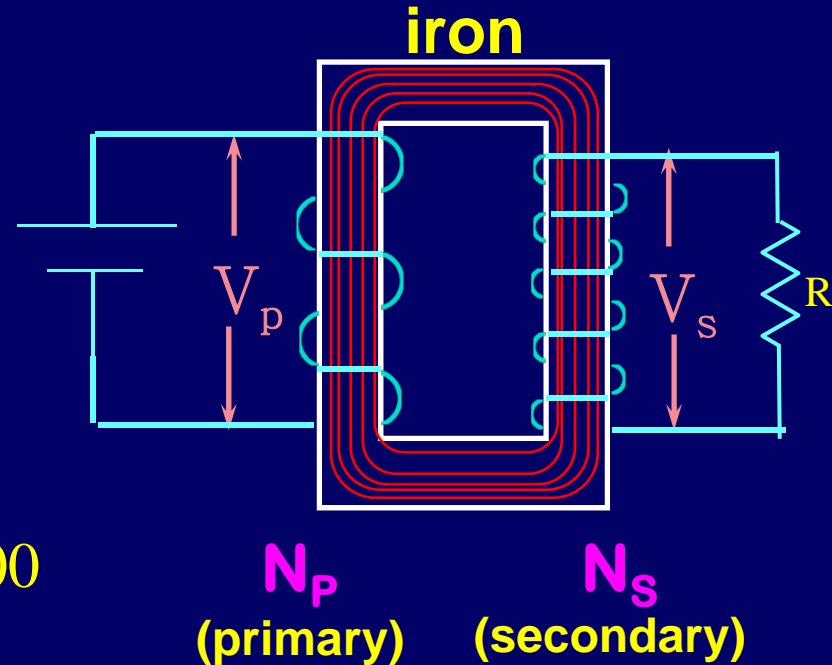




ACT: Transformers



A 12 Volt battery is connected to a transformer transformer that has a 100 turn primary coil, and 200 turn secondary coil. What is the voltage across the secondary after the battery has been connected for a long time?

1) $V_s = 0$

2) $V_s = 6$

3) $V_s = 12$

4) $V_s = 24$