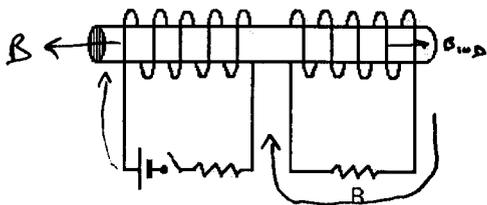
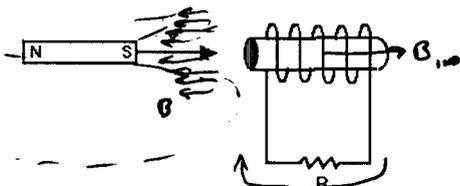


1. For a short time after the switch is closed, the current through resistor R is:



- A. To the left
- B. To the right
- C. Zero

2. As the magnet is moved toward the coil, the current through resistor R is:

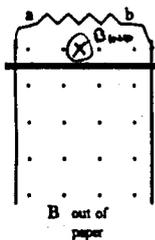


- A. To the left
- B. To the right
- C. Zero

3. Determine whether point a or b is at a higher potential:

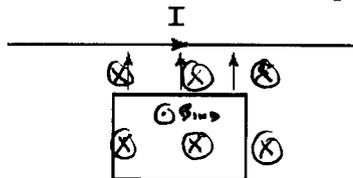
(b) Falling Bar Inductor

Determine the polarity of voltage across the resistor as the horizontal bar falls along the vertical side bars.



- A. point a
- B. point b
- C. same potential
- D. it depends

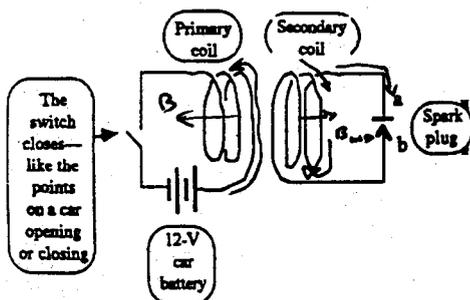
4. A rectangular loop of wire is pushed toward a long straight current-carrying wire. The induced current in the loop is:



- A. clockwise
- B. counter-clockwise
- C. zero

5. Determine whether point a or b is at a higher potential.

(a) Automobile Ignition System



- A. point a
- B. point b
- C. same potential
- D. it depends

Extra Credit: How many consecutive games in a row did Cal Ripken play to set the record?
 Who's record did he break?

2632 Lou ~~Ripken~~ Gehrig