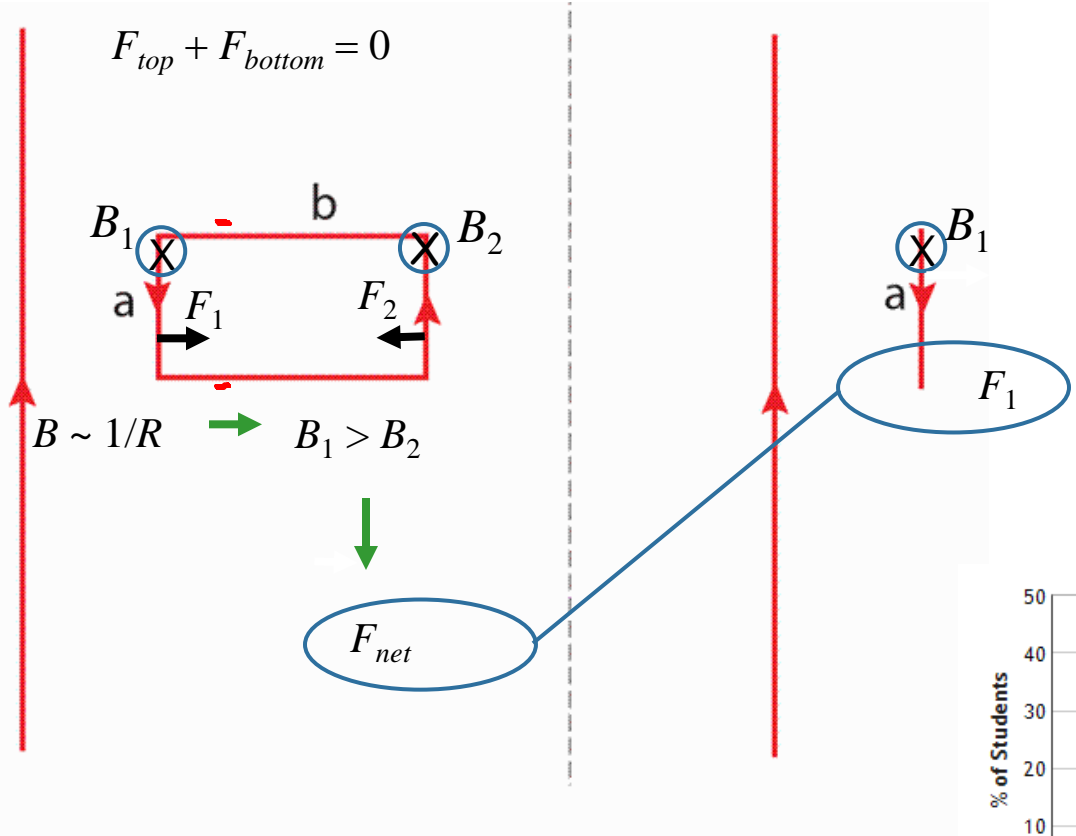


Checkpoint 2



A current carrying loop of width a and length b is placed near a current carrying wire. How does the net force on the loop compare to the net force on a single wire segment of length a carrying the same amount of current placed at the same distance from the wire?



- A. The forces are in opposite directions
- B. The net forces are the same
- C. The net force on the loop is greater than the net force on the wire segment
- D. The net force on the loop is smaller than the net force on the wire segment
- E. There is no net force on the loop

