

Question 954

31-05

0.13-49%

A circuit is pulled to the right at constant speed in a uniform magnetic field with a 16-N force as in figure 10. As the circuit moves, a 6.0-A current flows through the 4.0-ohm resistor. With what speed does the circuit move?

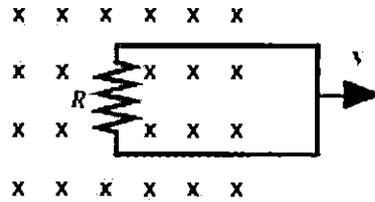


FIGURE 10

- (a) 6.4 m/s
- (b) 12 m/s
- (c) 9.0 m/s
- (d) 1.5 m/s
- (e) 3.0 m/s