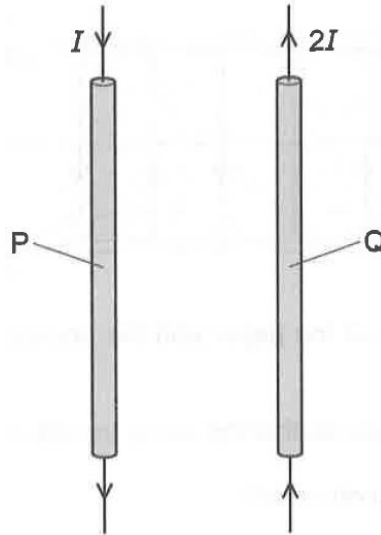


- 20** Two parallel wires, P and Q, carry electric currents in opposite directions. The current in Q is twice the current in P, as shown.



Which statement is correct?

- A** P and Q attract each other and the magnitude of the force exerted by Q on P is equal to that exerted by P on Q.
- B** P and Q attract each other and the magnitude of the force exerted by Q on P is twice that exerted by P on Q.
- C** P and Q repel each other and the magnitude of the force exerted by Q on P is equal to that exerted by P on Q.
- D** P and Q repel each other and the magnitude of the force exerted by Q on P is twice that exerted by P on Q.