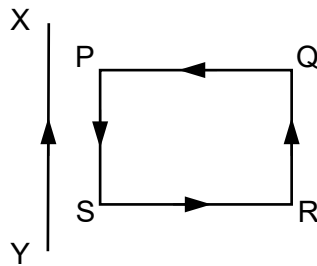


- 24** A long straight wire XY lies in the same plane as a square loop of wire PQRS which is free to move. The sides PS and QR are initially parallel to XY.



When currents start to flow in the wire and loop in the direction as shown in the diagram, what is the effect on the loop?

- A** it moves towards the long wire
- B** it moves away from the long wire
- C** it rotates about an axis parallel to XY
- D** it remains stationary

