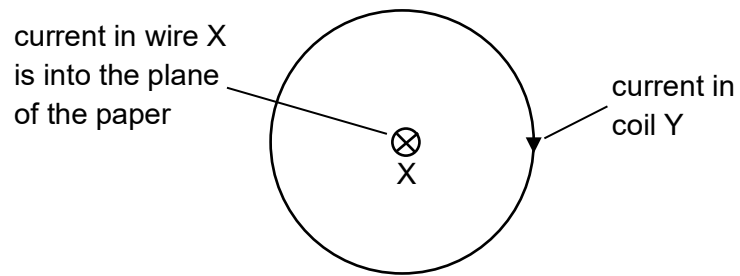


- 25** A long straight wire X is placed along the central axis of a flat circular coil Y. The wire and the coil each carry a current as shown.



Which statement about the force acting on each part of coil Y due to the current in wire X is correct?

- A** The force is towards wire X.
- B** The force is away from wire X.
- C** There is no force in all directions.
- D** The force is perpendicular to the plane of coil Y.