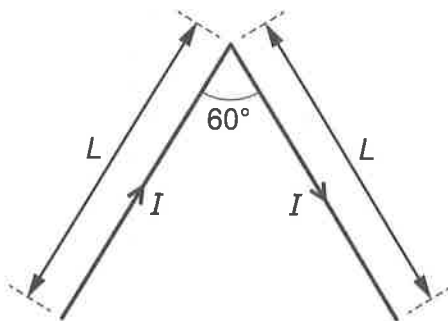


- 4 The diagram shows a bent piece of wire of overall length $2L$ conducting a current I at right angles to a uniform magnetic field of flux density B .

The field is directed into the plane of the page.



What is the magnitude and direction of the magnetic force on the wire?

- A BIL towards the bottom of the page
- B BIL towards the top of the page
- C $2BIL$ towards the bottom of the page
- D $2BIL$ towards the top of the page

