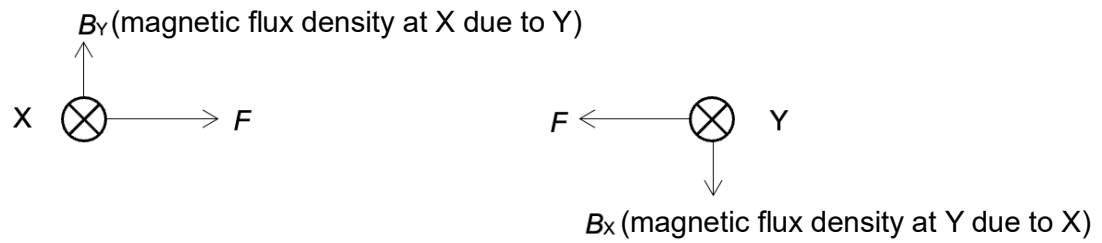


- 23 Two long, parallel, straight wires X and Y carry equal currents into the plane of the page as shown. The diagram shows arrows representing the magnetic flux density  $B$  at the position of each wire and the magnetic force  $F$  on each wire.



The current in wire Y is doubled.

Which diagram best represents the magnetic flux density and forces?

