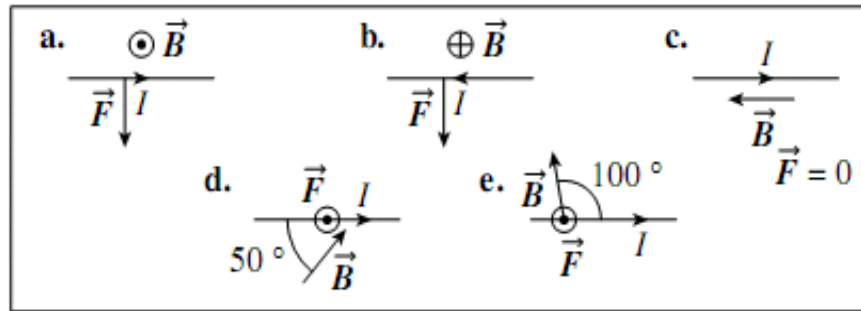


Exercice 18 p 204 :



a) $F = I \times \ell \times B \times \sin(\alpha) = 2,0 \times 20 \times 10^{-2} \times 0,010 \times \sin(90) = 4,0 \times 10^{-3} \text{ N}$

b) $F = 2,0 \times 20 \times 10^{-2} \times 0,010 \times \sin(90) = 4,0 \times 10^{-3} \text{ N}$

c) $F = 2,0 \times 20 \times 10^{-2} \times 0,010 \times \sin(0) = 0 \text{ N}$

d) $F = 2,0 \times 20 \times 10^{-2} \times 0,010 \times \sin(50) = 3,1 \times 10^{-3} \text{ N}$

e) $F = 2,0 \times 20 \times 10^{-2} \times 0,010 \times \sin(100) = 3,9 \times 10^{-3} \text{ N}$