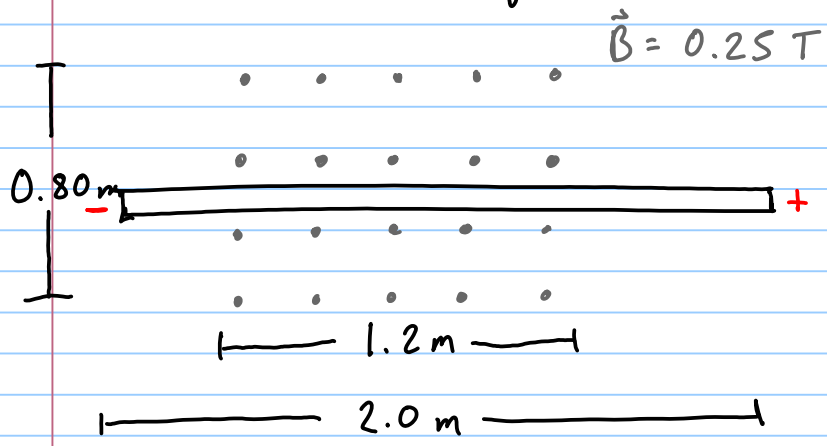
Quiz 2c

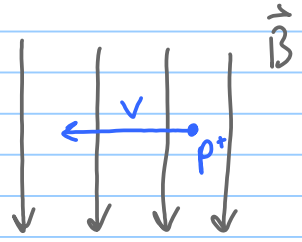
Note Title 27/05/2011

1.) A wire carries 2.6 A of current through a magnetic field as shown. What is the magnitude and direction of the magnetic force on the wire?

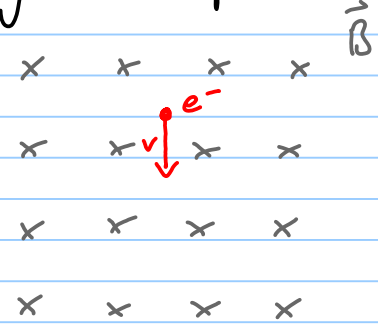


2.) State the direction of the forces acting on the particles shown.

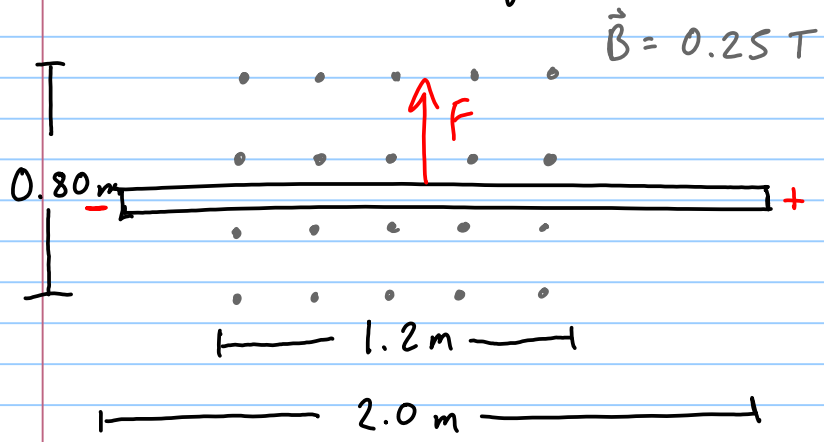
a.



b.



1.) A wire carries 2.6 A of current through a magnetic field as shown. What is the magnitude and direction of the magnetic force on the wire?



$F = BI\ell$

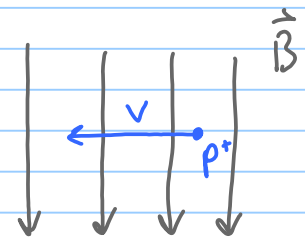
$= (0.25T)(2.6A)(1.2m)$

$= 0.78\ N$ up

only use the length of wire in the mag field!

2.) State the direction of the forces acting on the particles shown.

a.



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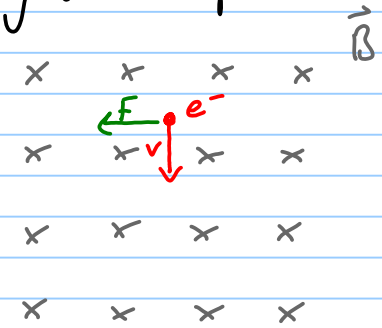
b.



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