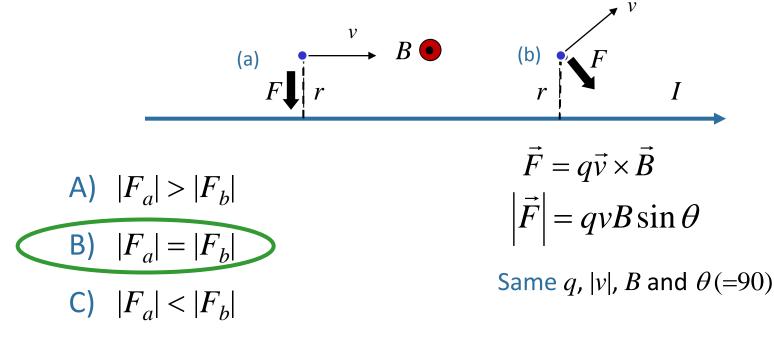
Currents + Charges

A long straight wire is carrying current from left to right. Two identical charges are moving with equal speed. Compare the magnitude of the force on charge *a* moving directly to the right, to the magnitude of the force on charge *b* moving up and to the right at the instant shown (i.e. same distance from the wire).



Forces are in different directions