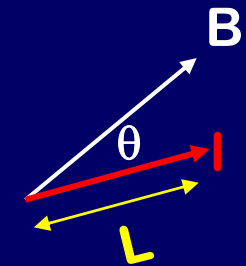
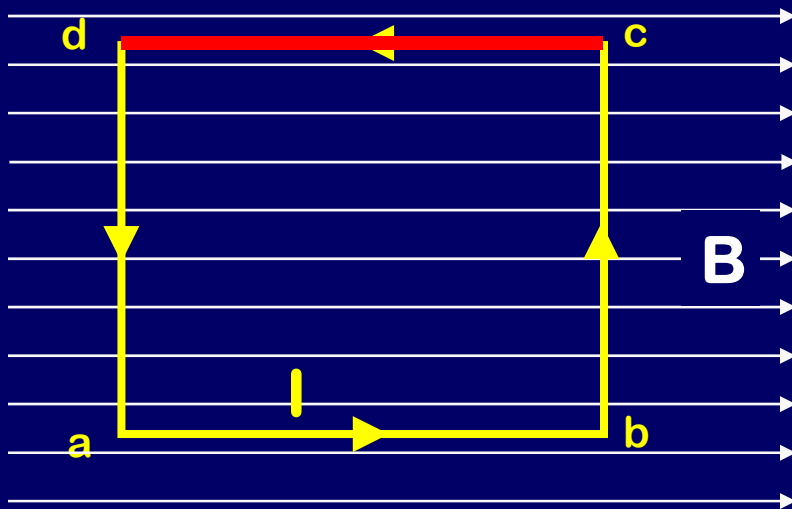


Force on loop

A rectangular loop of wire is carrying current as shown. There is a uniform magnetic field parallel to the sides a-b and c-d.



$$F = IBL \sin \theta$$

Here $\theta = 180^\circ$

Force on section c-d is zero! Same as a-b