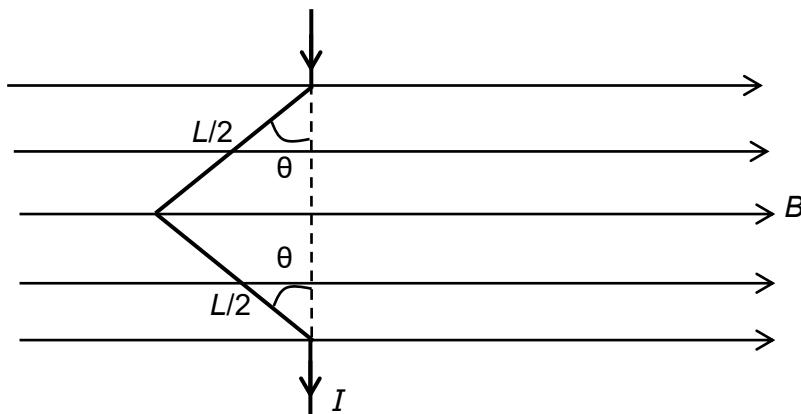


- 25** The diagram shows a V-shaped wire in the magnetic field of flux density B . The length of the wire in the field is L and the first half of the wire is inclined with an angle θ normal to the field direction. The current in the wire is I .



Which row gives the magnitude and direction of the force acting on the wire?

	magnitude	direction
A	$BIL\cos \theta$	into of the page
B	$BIL\cos \theta$	out of the page
C	$BIL\sin \theta$	into the page
D	$BIL\sin \theta$	out of the page