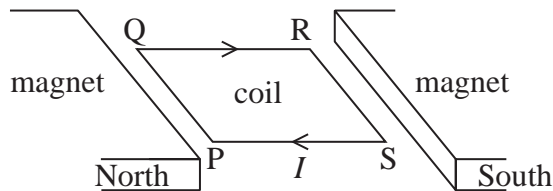


- 6 A square coil has sides of length  $l$  and carries a current  $I$ , as shown. The plane of the coil is parallel to a magnetic field of flux density  $B$ .



Which row of the table gives the magnetic force on the named side of the coil?

	Named side	Magnetic force
<input type="checkbox"/> A	PQ	$BIl$ to the left
<input type="checkbox"/> B	QR	$BIl$ to the right
<input type="checkbox"/> C	RS	$BIl$ upwards
<input type="checkbox"/> D	SP	$BIl$ downwards

(Total for Question 6 = 1 mark)