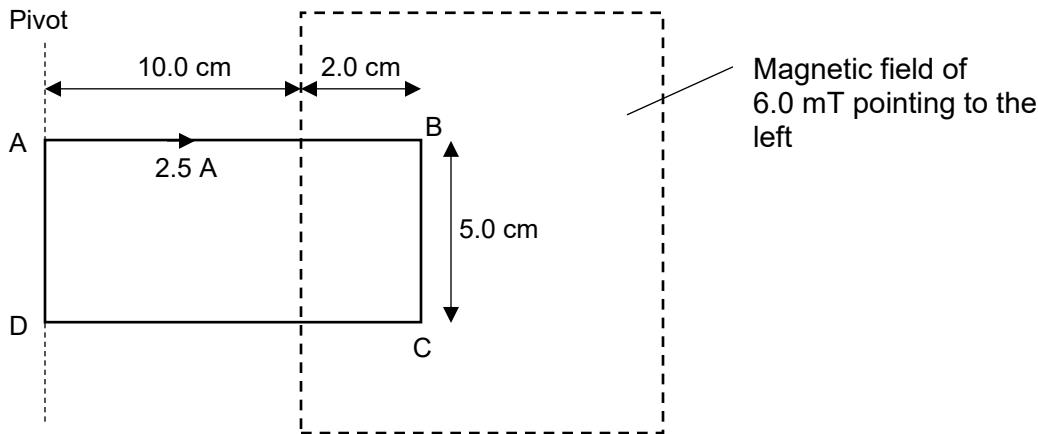


- 25 A rectangle wire frame ABCD pivoted at AD carries a current of 2.5 A. The plane of the frame is in the plane of the paper. Its other end BC is immersed in a uniform magnetic field of 6.0 mT pointing to the left, as shown:



What is the moment about AD due to the magnetic force produced, and what is the initial direction of motion of the side BC?

	<u>Moment about AD / N m</u>	<u>Initial direction of motion of BC</u>
A	$9.0 \times 10^{-5}$	Into the paper
B	$9.0 \times 10^{-5}$	Out of the paper
C	$7.5 \times 10^{-4}$	Into the paper
D	$7.5 \times 10^{-4}$	Out of the paper