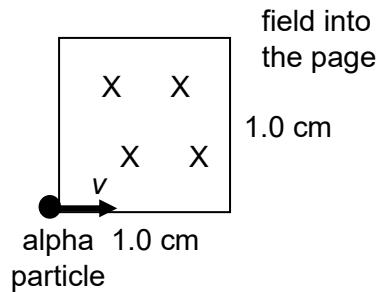


- 22** An alpha particle initially at rest is accelerated across a potential difference 250 V before entering a magnetic field. It enters the square uniform magnetic field of sides 1.0 cm with magnetic flux density 0.25 T at right angles from the corner of the field as shown below.



What is the angle of deflection of the velocity of the alpha particle?

- A** 0° **B** 33° **C** 51° **D** 180°