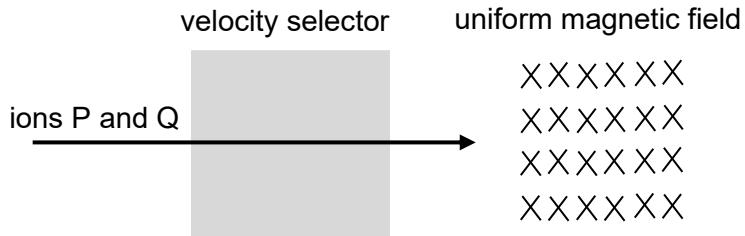


- 24** Two ions P and Q pass through a velocity selector un-deviated. Ion P has 2 times the charge and 1.5 times the mass of ion Q.

They then enter a region of uniform magnetic field where P travels in a circular arc of radius 3.7 cm.



What is the radius of the circular arc travelled by ion Q?

A 1.2 cm

B 2.8 cm

C 4.9 cm

D 11 cm