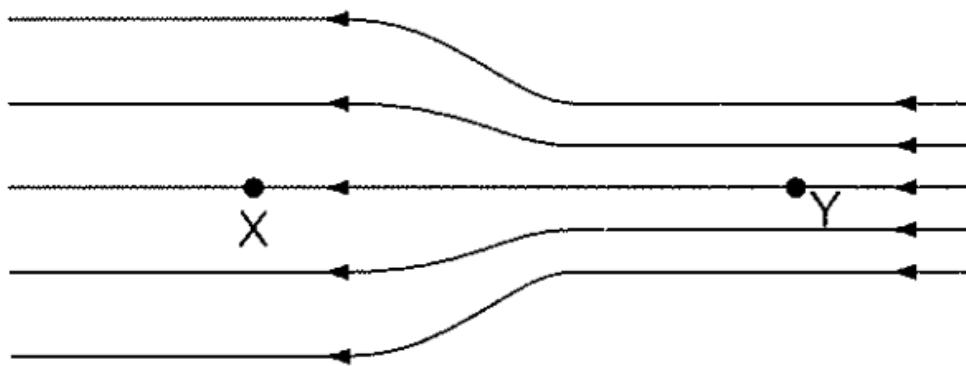


- 25 X and Y are two points on a field line in a region of electric field. The electric potentials at points X and Y are V_X and V_Y respectively.



An electron, initially at rest at X, accelerates towards Y.

The speed of the electron at Y is proportional to which expression below?

- A $\sqrt{(V_Y - V_X)}$ B $V_Y - V_X$ C $(V_Y - V_X)^2$ D $V_Y^2 - V_X^2$

- 26 If the distance from a charged particle is doubled, how do the new values of field strength and