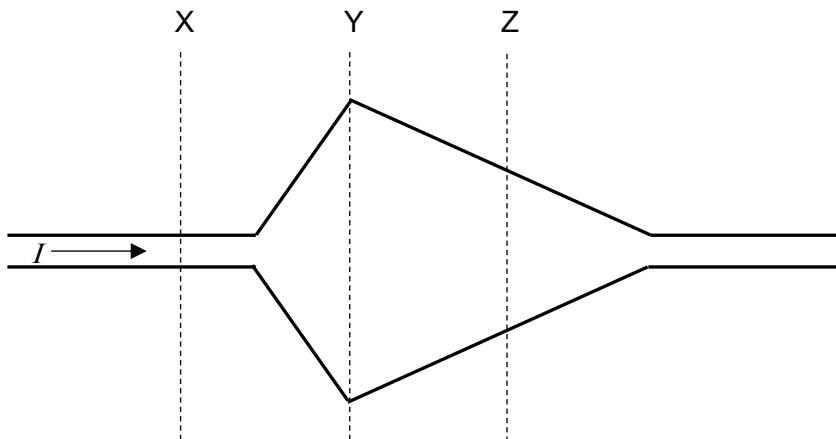


- 22** An electric current I flows through a flat metal specimen of uniform thickness and of the shape shown below.



Which of the following statements about the magnitude of the current I and drift velocity v at sections X, Y and Z is correct?

- A** $I_X = I_Y = I_Z$; $v_X > v_Z > v_Y$
- B** $I_X > I_Z = I_Y$; $v_X = v_Y = v_Z$
- C** $I_X = I_Y = I_Z$; $v_X = v_Y = v_Z$
- D** $I_X > I_Z > I_Y$; $v_X > v_Z > v_Y$