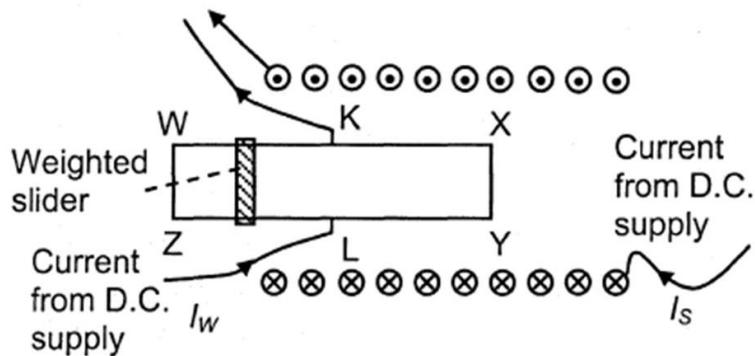


- 26** The figure below (not drawn to scale) shows the plan view of a weightless wire frame WXYZ being supported by two knife-edges at K and L. A current I_W flows through the frame. Section KXYL of the frame is placed inside a solenoid. A current of I_S flows through the coils of the solenoid. The wire frame is balanced in a horizontal position with a weighted slider.



Current I_S is increased.

Which of the following will enable the wire frame to be balanced in a horizontal position again.

- A** Increase the current I_W .
- B** Reverse the direction of current I_W .
- C** Move the weighted slider closer to WZ.
- D** Increase the number of turns on the solenoid.

- 27** A rectangular coil of length 5.0 cm and breadth 8.0 cm consists of 50 turns. It is placed in a