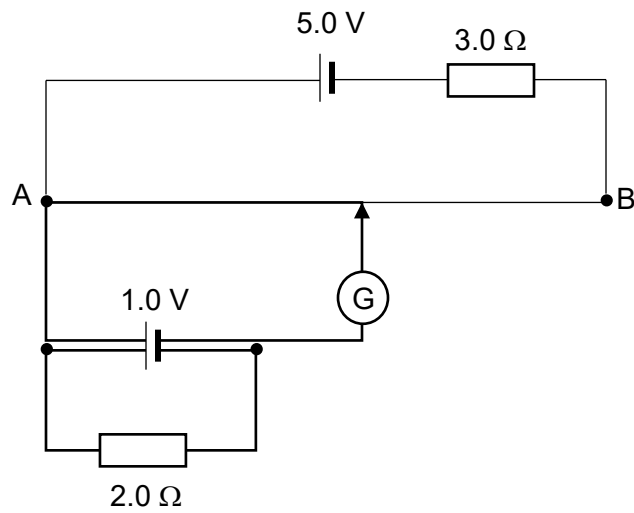


19 A potentiometer circuit using a 1.0 m resistance wire of resistance $1.0\ \Omega$ placed across AB is shown below. Both cells are ideal:



What is the balance length required for the galvanometer to show a null deflection?

- A** 20 cm **B** 50 cm **C** 60 cm **D** 80 cm