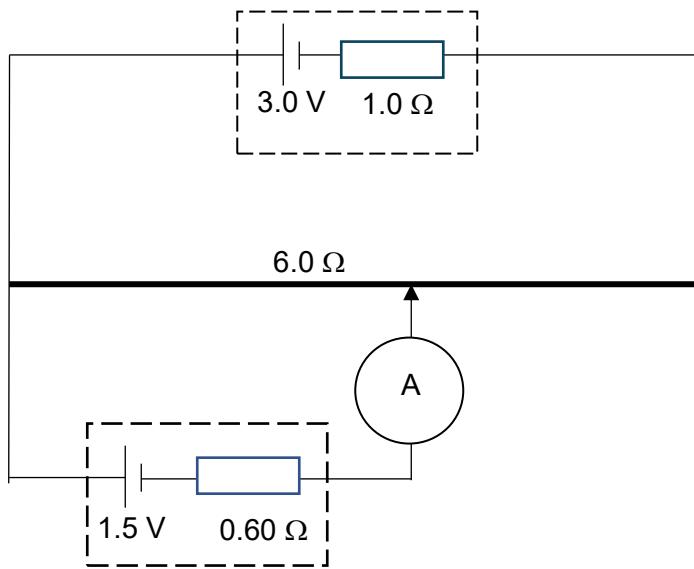


- 23** A potentiometer circuit is set up by connecting a cell with e.m.f. 3.0 V and internal resistance 1.0  $\Omega$  across a resistance wire of length 1.0 m and resistance 6.0  $\Omega$ .

Another cell of e.m.f. 1.5 V and internal resistance 0.60  $\Omega$  is connected to the bottom of the potentiometer:



What is the balance length for the circuit?

- A** 0.086 m      **B** 0.10 m      **C** 0.50 m      **D** 0.58 m

