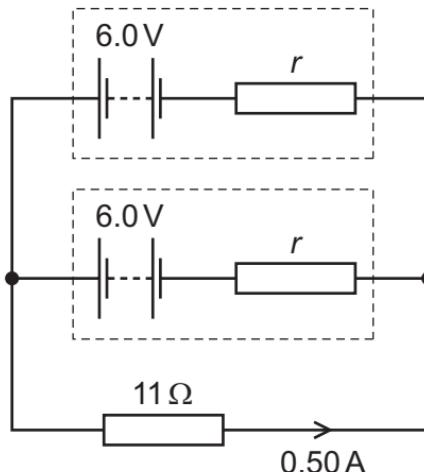


- 37 Two identical batteries each have e.m.f. 6.0V and internal resistance r . The batteries are connected to an external resistor of resistance 11Ω , as shown.



The current in the external resistor is 0.50 A .

What is the internal resistance r of each battery?

- A** 1.0Ω **B** 2.0Ω **C** 4.0Ω **D** 6.5Ω