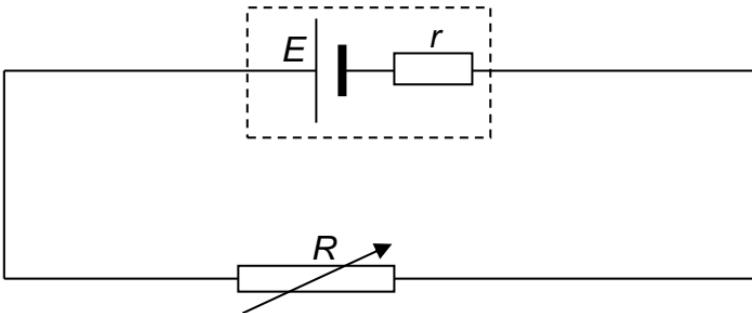


- 19** A battery of e.m.f E and internal resistance r is connected to a variable resistor R as shown below. When $R = 16 \Omega$, the current in the circuit is 0.50 A. It is found that the battery supplies 4500 J of energy for a duration of 1.0×10^3 s.



What is the internal resistance r ?

- A** 1.0Ω **B** 2.0Ω **C** 4.5Ω **D** 9.0Ω