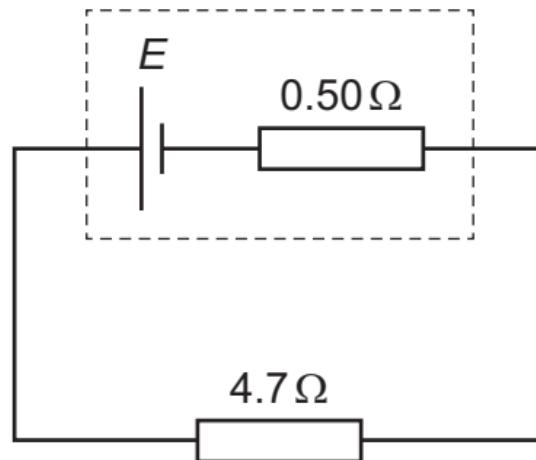


- 36 A cell of electromotive force (e.m.f.) E and internal resistance 0.50Ω is connected to a resistor of resistance 4.7Ω .



The maximum power that can be dissipated by the resistor without overheating is 0.50 W .

What is the maximum value of E for the resistor **not** to overheat?

A 1.4 V

B 1.5 V

C 1.7 V

D 2.9 V