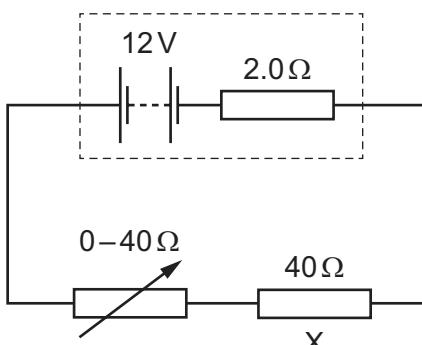


- 35** A resistor X of resistance 40Ω and a variable resistor are connected to a battery of electromotive force (e.m.f.) 12V and internal resistance 2.0Ω , as shown.



The resistance of the variable resistor is changed from 0 to 40Ω .

What is the change in power dissipated in resistor X?

- A** 2.4W **B** 2.7W **C** 3.6W **D** 5.6W