

- 22** A resistor of resistance R has power P when the current in the resistor is I .

What is the resistance of a resistor that has power $2P$ when the current in the resistor is $\frac{I}{2}$?

- A** $\frac{R}{8}$
- B** $\frac{R}{4}$
- C** $4R$
- D** $8R$