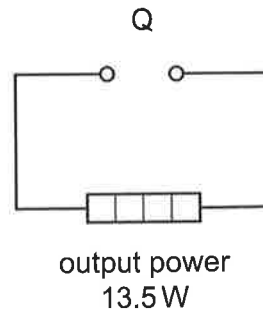
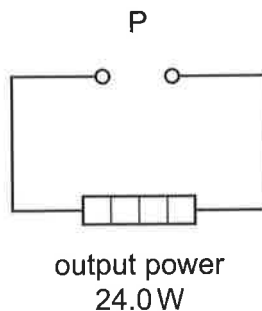


**22** Two 12 V power supplies P and Q are connected to two heaters of the same constant resistance.

The output powers of the heaters are shown.



P has no internal resistance.

What is the internal resistance of Q?

**A**  $1.0\ \Omega$

**B**  $2.0\ \Omega$

**C**  $3.0\ \Omega$

**D**  $4.0\ \Omega$

