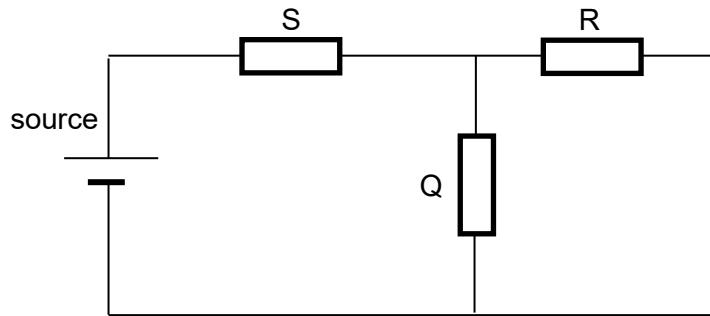


- 20** An e.m.f. source of negligible internal resistance is connected across three identical resistors Q, R and S, of resistance  $50\ \Omega$ .



If the source is supplying a total power of 12 W, what is the power dissipated as heat in resistor R?

**A** 2.0 W

**B** 3.0 W

**C** 4.0 W

**D** 8.0 W

