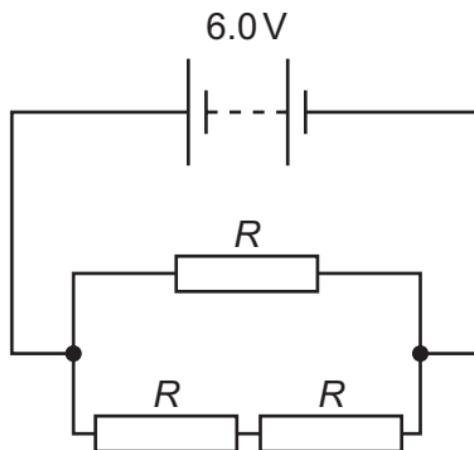


- 31 In the circuit shown, the battery has an electromotive force (e.m.f.) of 6.0 V and negligible internal resistance.

The three resistors each have resistance R .



The total power dissipated in the resistor network is 24 W.

What is the value of R ?

A 0.50Ω

B 1.0Ω

C 1.5Ω

D 2.3Ω