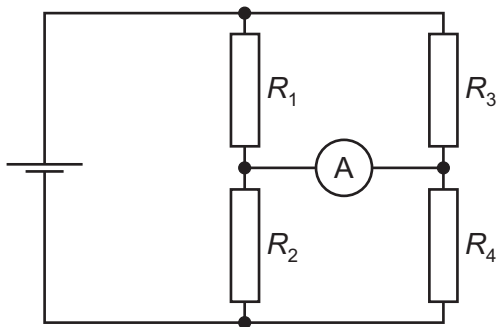


36 In the circuit shown, the reading on the ammeter is zero.



The four resistors have different resistances R_1 , R_2 , R_3 and R_4 .

Which equation is correct?

A $R_1 - R_3 = R_2 - R_4$

B $R_1 \times R_3 = R_2 \times R_4$

C $R_1 - R_4 = R_2 - R_3$

D $R_1 \times R_4 = R_2 \times R_3$