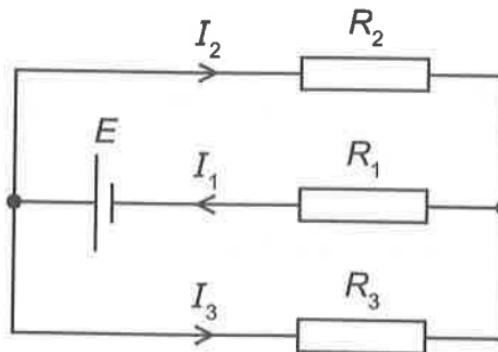


- 23 A cell of electromotive force (e.m.f.) E and negligible internal resistance is connected in a circuit causing currents I_1 , I_2 and I_3 in the three resistors of resistance R_1 , R_2 and R_3 respectively, as shown.



Which equation relating to this circuit is correct?

- A $E + I_3R_3 = I_1R_1$
- B $E - I_2R_2 = I_1R_1$
- C $E + I_1R_1 = \frac{I_1R_2R_3}{(R_2 + R_3)}$
- D $E - I_1R_1 = I_2R_2 + I_3R_3$

- 24 In the part circuit shown, a current I and a voltage V are related by