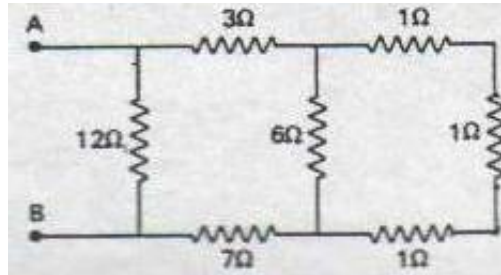
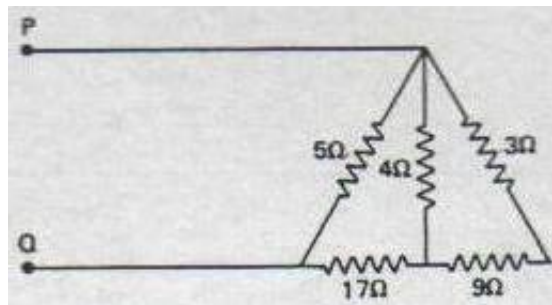


Lista de exercícios de eletricidade básica

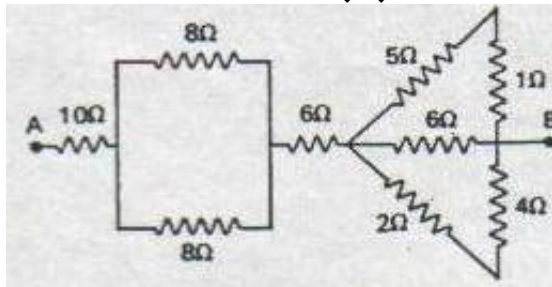
- 1 Calcule o resistor equivalente entre os pontos A e B do circuito abaixo.
r. 6ohm



- 2 Ache a resistência equivalente entre os pontos P e Q da associação da figura abaixo.
r. 4ohm

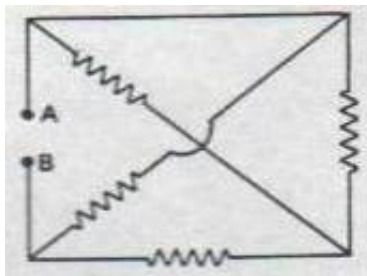


- 3 Qual a resistência equivalente entre os pontos A e B da associação de resistores esquematizada? R.22ohm

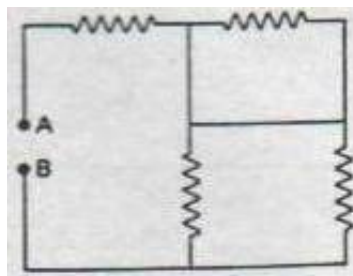


4 \blacklozenge Nos circuitos indicados, todos os resistores s \blacklozenge o iguais, com resist \blacklozenge ncia de 1 ohm cada um. Determine em cada caso a resist \blacklozenge ncia equivalente entre A e B:

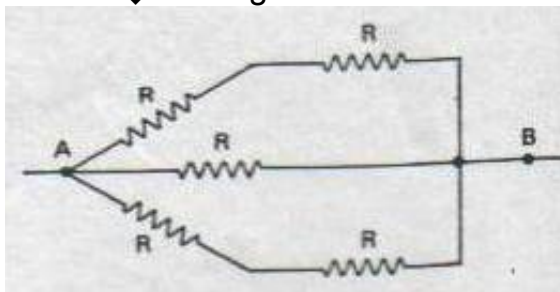
a) r. $3/5$ ohm



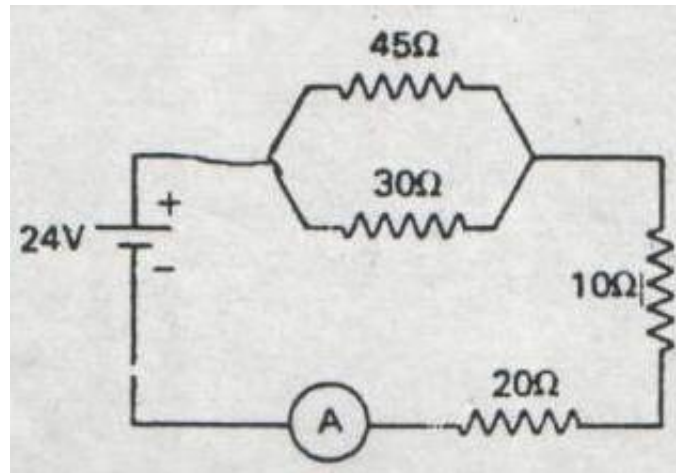
b) $3/2$ ohm



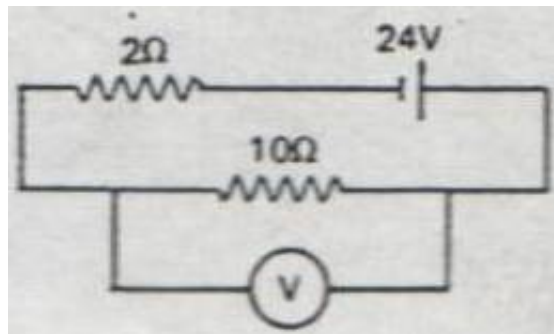
5 \blacklozenge No esquema indicado h \blacklozenge cinco resistores de resist \blacklozenge ncias iguais a R. Calcule a resist \blacklozenge ncia equivalente entre A e B. r. $R/2$



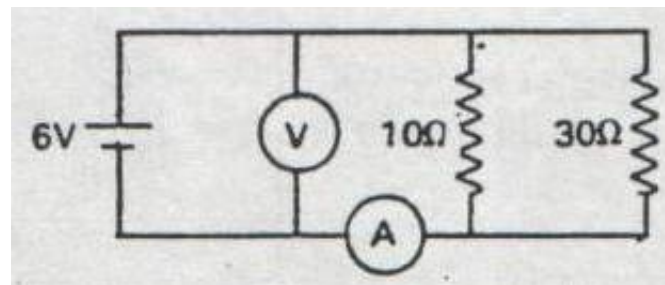
6 \blacklozenge Calcule a leitura do amper \blacklozenge metro ideal indicado na figura.
r. 0,5 A



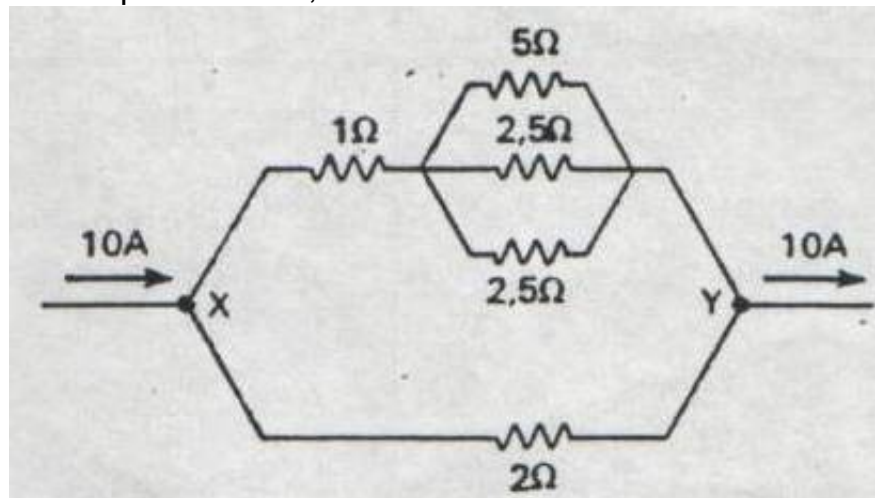
7 \blacklozenge No circuito da figura, calcule a leitura do voltmetro ideal.
r. 20V



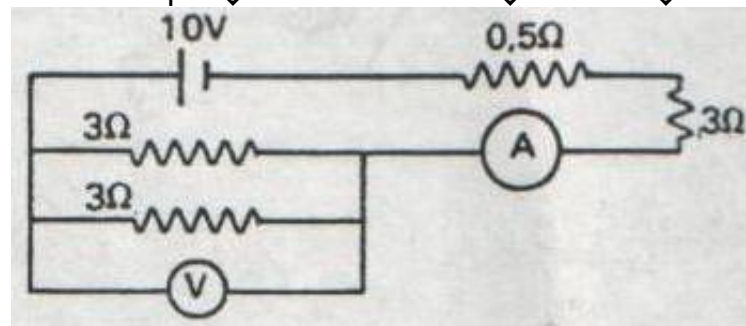
8 \blacklozenge No circuito elétrico da figura, determine:
a) a leitura do ampermetro ideal. R. 0,8 A
b) a leitura do voltmetro ideal. R. 6V



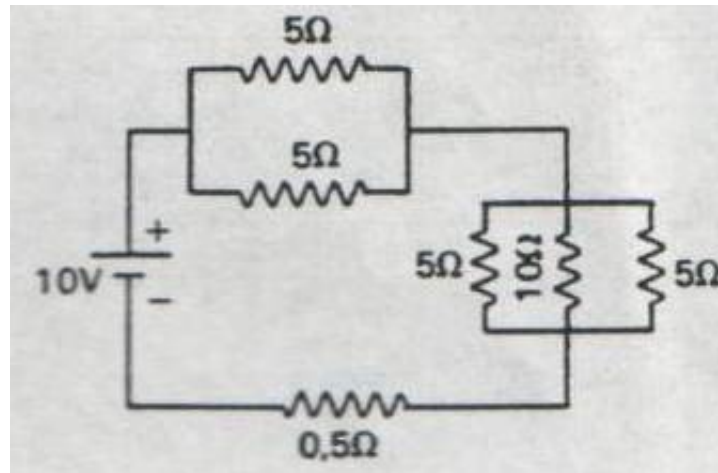
9 \blacklozenge Calcule a diferença de potencial entre os pontos X e Y, mostrados no circuito abaixo. R. 10V



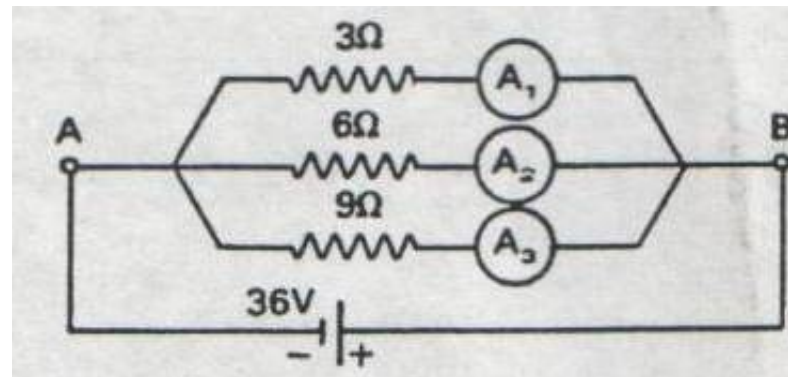
10 \blacklozenge No circuito da figura, determine a corrente no ampermetro A e a tensão no voltmetro V. R. 2 A e 3V



11 \blacklozenge Calcule a corrente no resistor d 10 ohm indicado figura abaixo. R. 0,4 A.



12 \blacklozenge Quais as leituras dos amper \blacklozenge metros no circuito abaixo?
 r. 12 A, 6 A, 4 A



13 \blacklozenge No circuito indicado, F1, F2 e F3 s \blacklozenge o fus \blacklozenge veis, todos de 3 A, isto \blacklozenge , suportam intensidades de corrente at \blacklozenge 3 A. Ligando-se os pontos A e B a uma fonte de tens \blacklozenge o de 25V, quais fus \blacklozenge veis queimar \blacklozenge o?
 r. somente F1.

