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(b) Calculate the resistance R of the diode using your meter readings from (a).

Use the equation:

$$R = \frac{V}{I}$$

Record your answer in the first row of Table 2.1 to an appropriate number of significant figures.

(2)

(ii) The student

- connects a $20\ \Omega$ resistor in series with the $500\ \Omega$ resistor between terminals X and Y, as shown in Fig. 2.3, and repeats the procedure in (a).

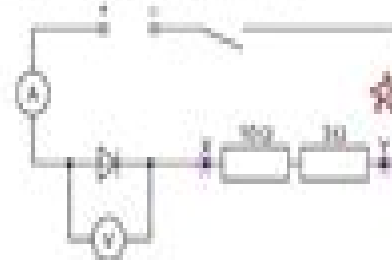


Fig. 2.3

- connects the $100\ \Omega$ resistor and $20\ \Omega$ resistor in series between X and Y, as shown in Fig. 2.4, and repeats the procedure in (a).



Fig. 2.4

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G Orfield



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