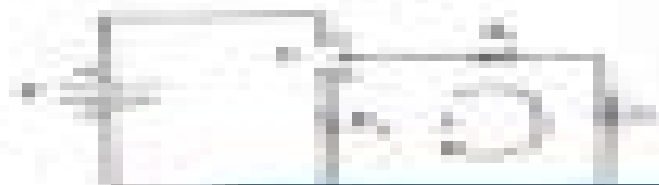


Example 1: A circuit with a voltage source V_s and a load resistor R_L .



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Example 2: A circuit with a voltage source V_s and a load resistor R_L .

Let V_L be the voltage across the load resistor R_L .

Let I_L be the current through the load resistor R_L .

Let I_s be the current through the voltage source V_s .

Let V_s be the voltage across the voltage source V_s .

$$\begin{bmatrix} V_L \\ I_L \end{bmatrix} = \begin{bmatrix} R_L \\ 1 \end{bmatrix} I_s$$

The current I_s is the current through the voltage source V_s .

Let V_s be the voltage across the voltage source V_s .

Let I_s be the current through the voltage source V_s .

Let V_s be the voltage across the voltage source V_s .

$$\begin{bmatrix} V_L \\ I_L \end{bmatrix} = \begin{bmatrix} R_L \\ 1 \end{bmatrix} I_s$$

Example 3: A circuit with a voltage source V_s and a load resistor R_L .

Let V_L be the voltage across the load resistor R_L .

Let I_L be the current through the load resistor R_L .

$$\begin{bmatrix} V_L \\ I_L \end{bmatrix} = \begin{bmatrix} R_L \\ 1 \end{bmatrix} I_s$$



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Chapter 11

**Mac Elwyn Van Valkenburg, P. A.
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