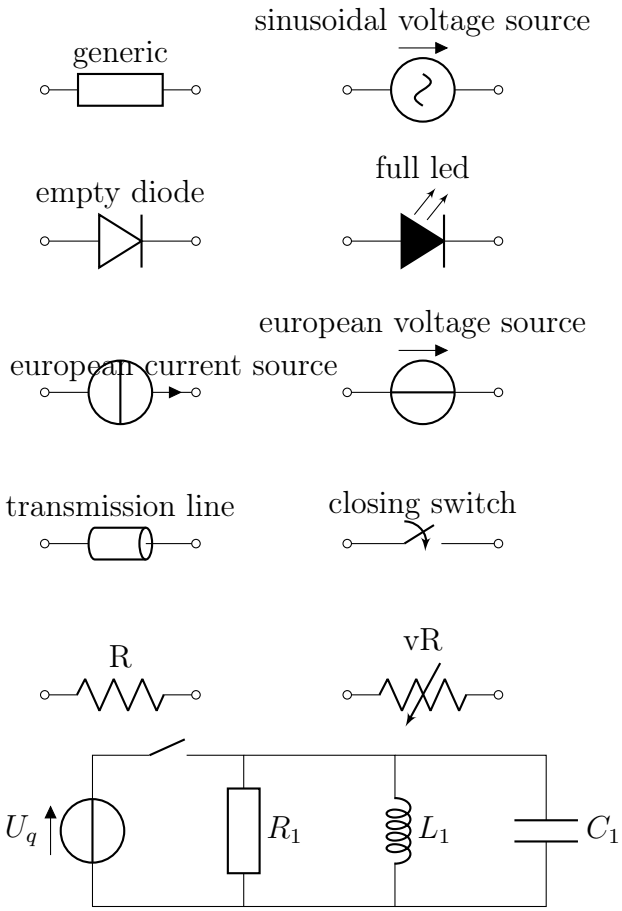
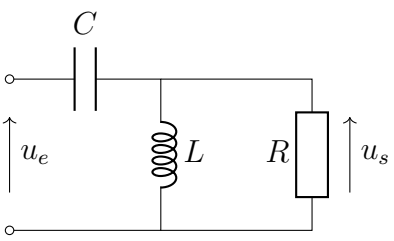
Tikz : electrical circuits



code :

```latex
\begin{circuitikz}
    \draw (0,0)
    to[V,v=$U_q$] (0,2) % The voltage source
    to[nos] (2,2)
    to[generic=$R_1$] (2,0) % The resistor
    to[short] (0,0);
    \draw (2,2)
    to[short] (4,2)
    to[L=$L_1$] (4,0)
    to[short] (2,0);
    \draw (4,2)
    to[short] (6,2)
    to[C=$C_1$] (6,0)
    to[short] (4,0);
\end{circuitikz}

```



code :

```latex
\begin{circuitikz}
    \draw (0,0) to [capacitor=$C$, o-] (2, 0)
    to [L=$L$] (2, -2)
    to [short, -o] (0, -2);
    \draw (2, -2) to [short] (4, -2)
    to [generic=$R$] (4, 0)
    to [short] (2, 0);
    \draw[->] (0, -1.5) -- node[right] {$u_e$} (0, -.5);
    \draw[->] (4.5, -1.5) -- node[right] {$u_s$} (4.5, -.5);
\end{circuitikz}

```

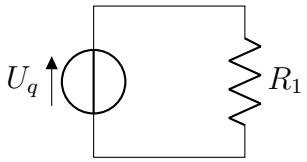
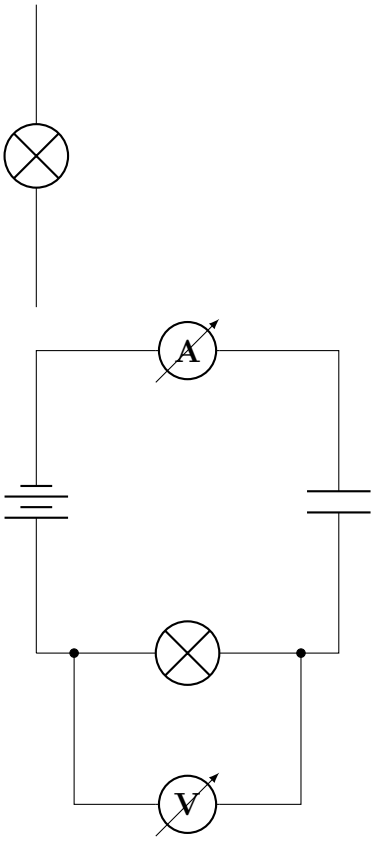
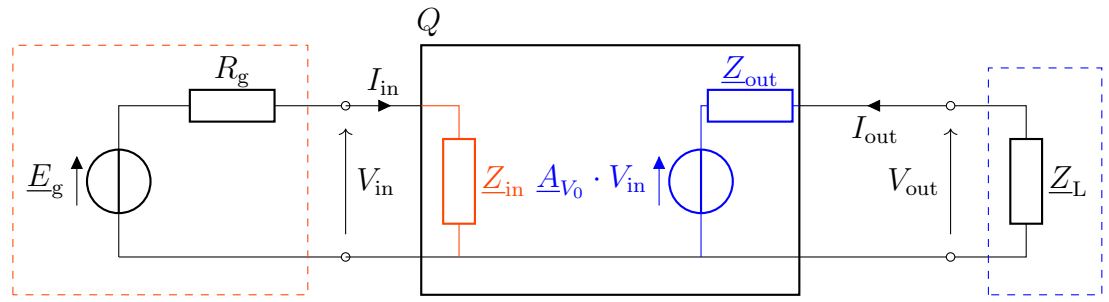


Figure 1: My first circuit.





source de tension charge utilisateur