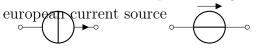
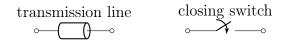
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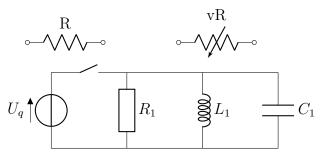
$\underline{\text{Ti}kz}$: electrical circuits

sinusoidal voltage source
generic
full led
empty diode

european voltage source

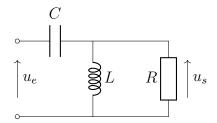






code:

```
\begin{circuitikz}
2
       \draw (0,0)
       to [V, v=$U_q$] (0,2) % The voltage source
3
       to[nos] (2,2)
4
       to [generic=R_1] (2,0) % The resistor
       to[short] (0,0);
6
       \draw (2,2)
       to[short] (4,2)
       to [L=$L_1$] (4,0)
       to[short] (2,0);
10
       \draw (4,2)
11
       to[short] (6,2)
12
       to[C=$C_1$] (6,0)
13
       to[short] (4,0);
14
   \end{circuitikz}
15
```



code:



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```
\begin{circuitikz}
1
       \draw (0,0) to [capacitor=C, o-] (2, 0)
2
       to [L=$L$] (2, -2)
3
       to [short, -o] (0, -2);
4
       \del{draw} (2, -2) to [short] (4, -2)
5
       to [generic=R] (4, 0)
6
       to [short] (2, 0);
       \draw[->] (0, -1.5) -- node[right] {$u_e$} (0, -.5);
8
9
       \draw[->] (4.5, -1.5) -- node[right] {$u_s$} (4.5, -.5);
   \end{circuitikz}
10
```

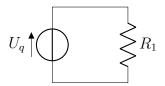
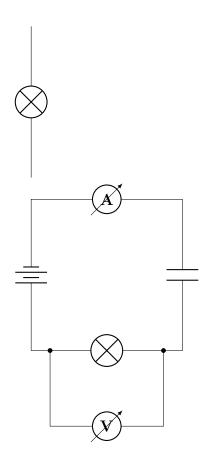


Figure 1: My first circuit.





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