$$\begin{array}{c|c}
i(t) \\
+ & u_1(t) \\
\hline
 & + \\
- & C_1 \\
\hline
 & u(t) & u_2(t) \\
\hline
 & - & C_2 \\
\hline
 & - & C_3 \\
\hline
\end{array}$$