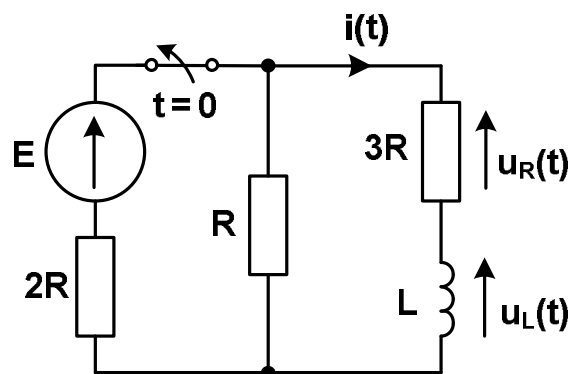


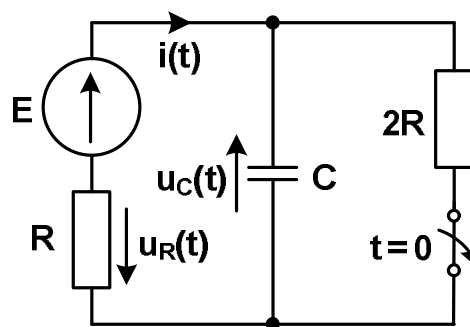
Module name: **Electrical Circuits 2**
Module ID: **IS-FEE-10085S**
Module type: **Class**
Semester: **summer 2024/2025**
Instructor: **Jarosław Forenc**, j.forenc@pb.edu.pl

Class 12 (03.06.2025)

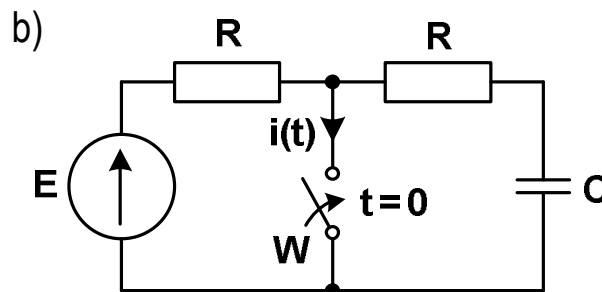
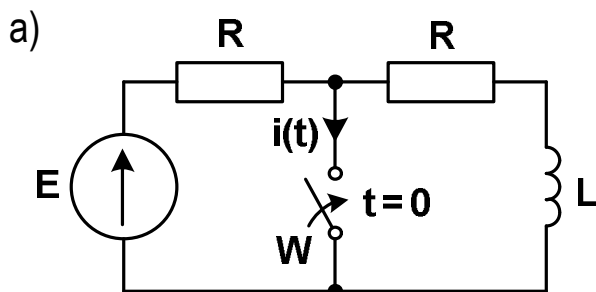
1. The circuit shown in the figure has been in a steady-state. The switch was opened at $t = 0$. Find and plot $i(t)$, $u_R(t)$, $u_L(t)$. Use the Laplace transform.



2. The circuit shown in the figure has been in a steady-state. The switch was opened at $t = 0$. Find and plot $i(t)$, $u_R(t)$, $u_C(t)$. Use the Laplace transform.



3. The circuit shown in the figure has been in a steady-state. The switch was closed at $t = 0$. Calculate and plot $i(t)$. Use the Laplace transform.



03.06.2025

Jarosław Forenc, PhD

j.forenc@pb.edu.pl