Problem 2

Using the impedance method, find $v(t)$ and $i(t)$. Give a brief explanation of every step to reach the solution.
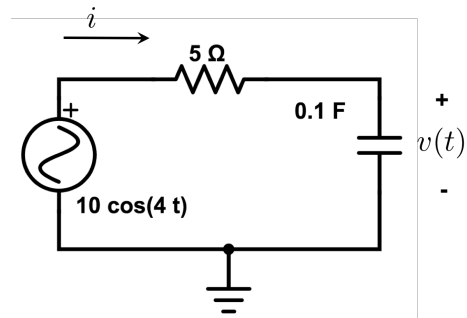

Figure 1