Assignment 4

Part 4

In order to deal with the non-linear element in the circuit, a new column matrix is introduced into the equation. Then, in order to solve the system, the jacobian of the matrix would need to be calculated. Then, the Newton Raphson method is applied until the change in resulting values is sufficiently small. Then, the time can be advanced and the jacobian+newton raphson method can be applied again.

Published with MATLAB® R2018a