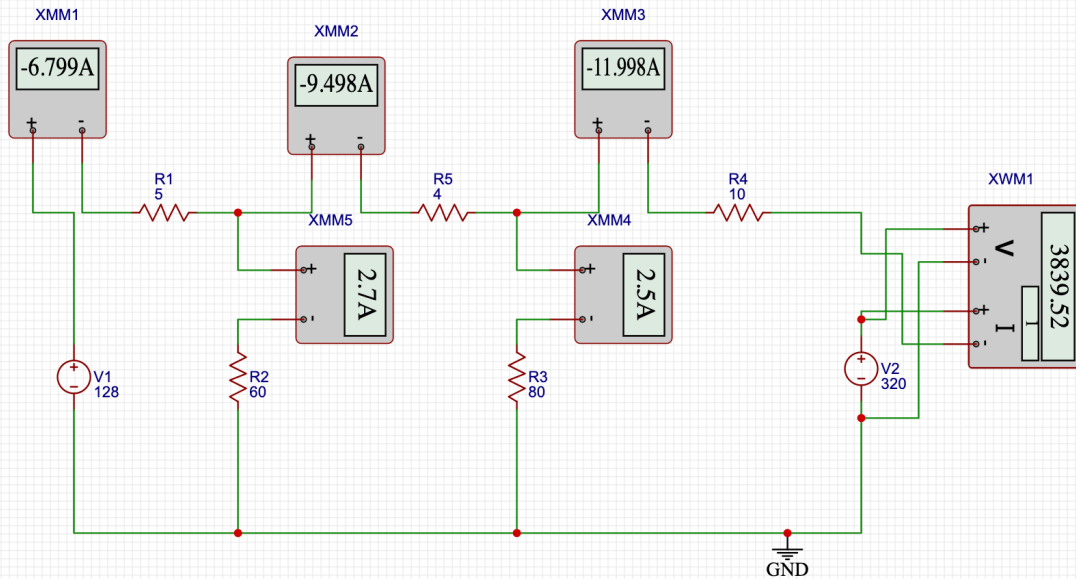
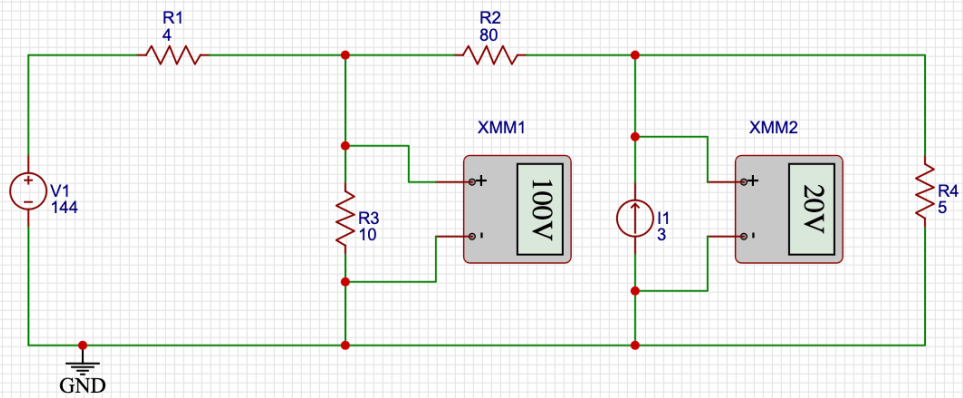


4.11

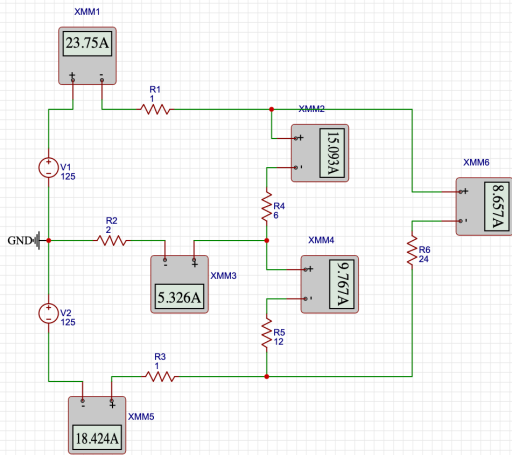


4.12

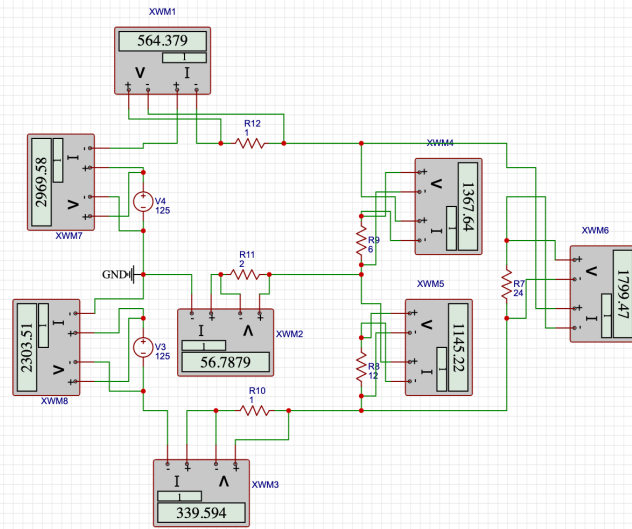


*.tran 10m*

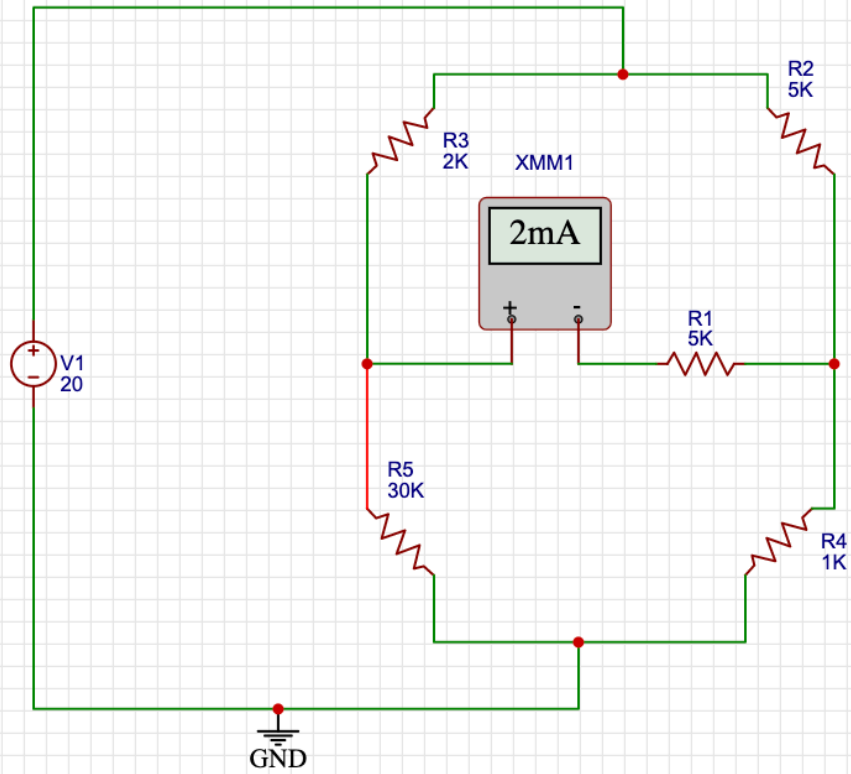
4.15 a)



4.15 b)

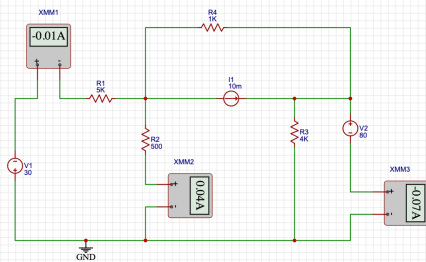


4.24



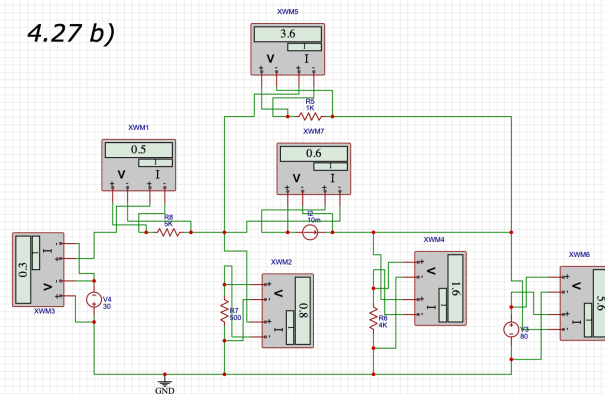
*.tran 10m*

4.27 a)

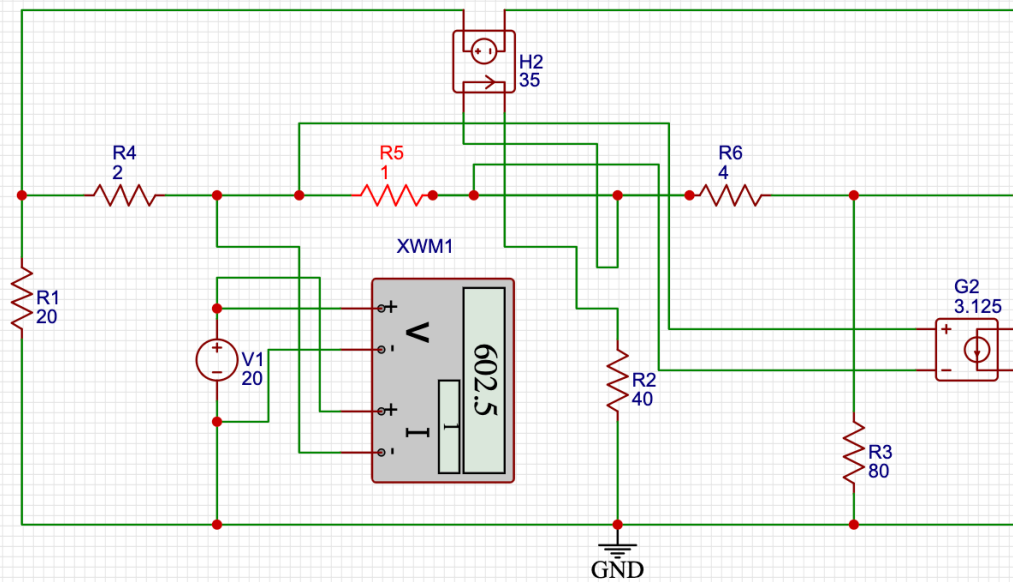


*.tran 110m*

4.27 b)

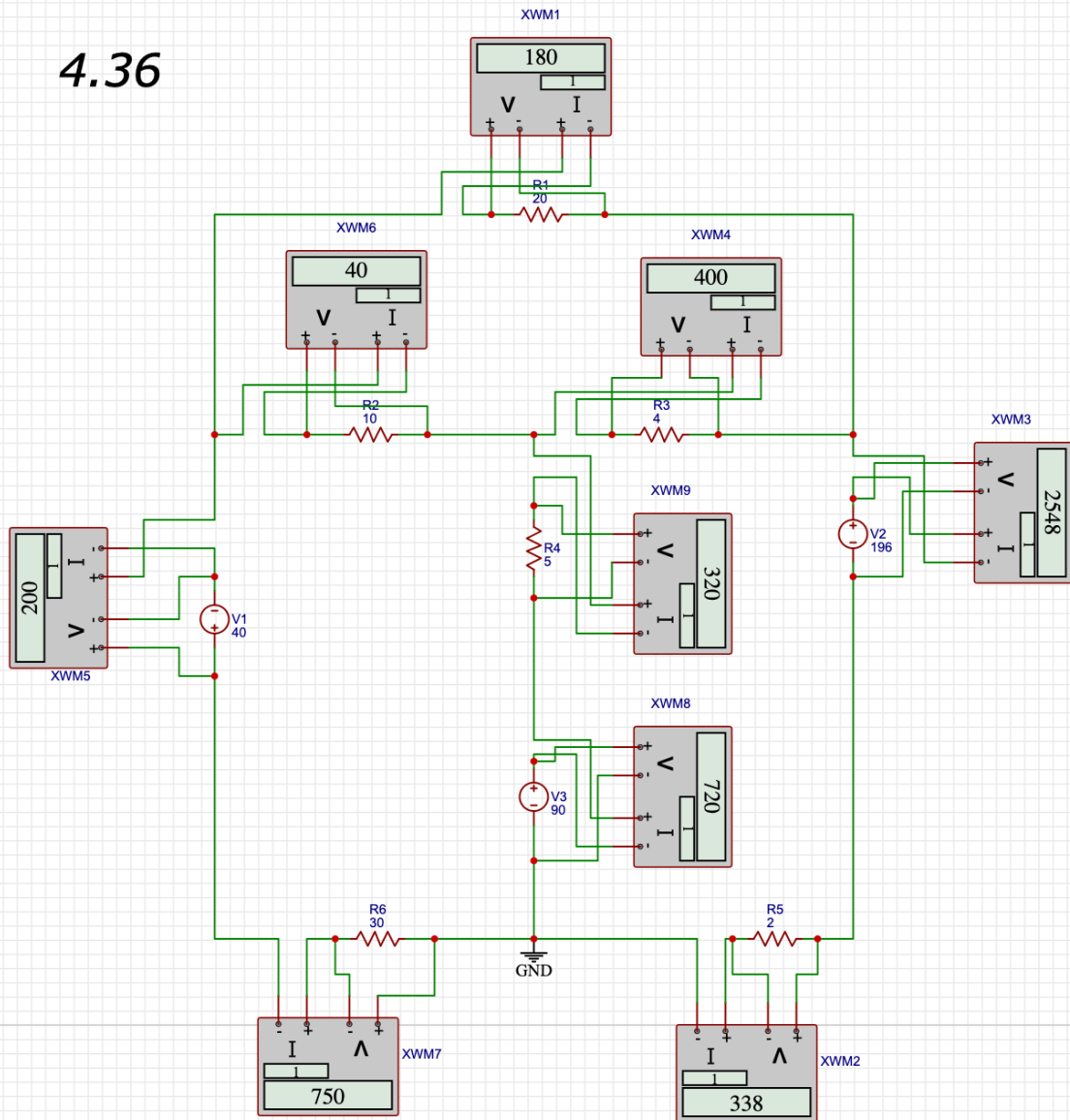


4.30



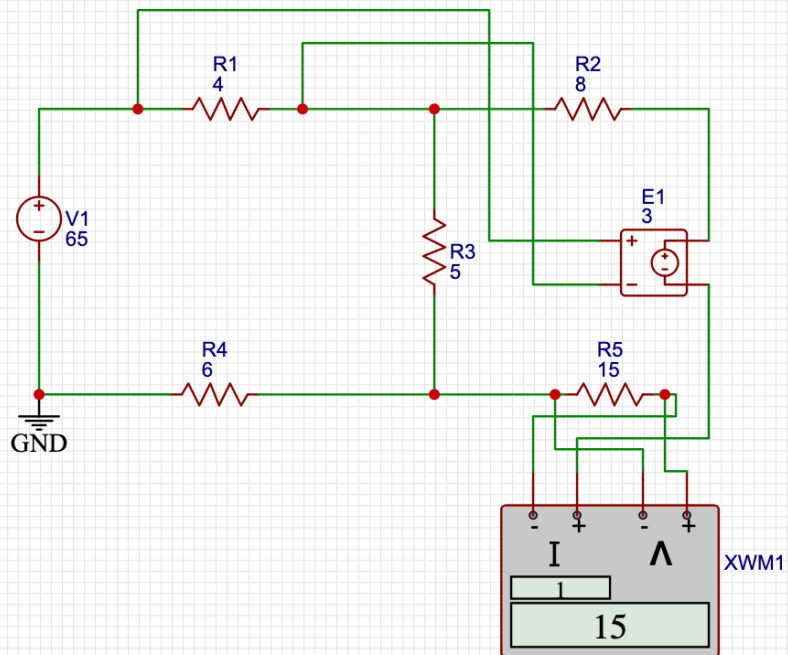
*.tran 110m*

4.36



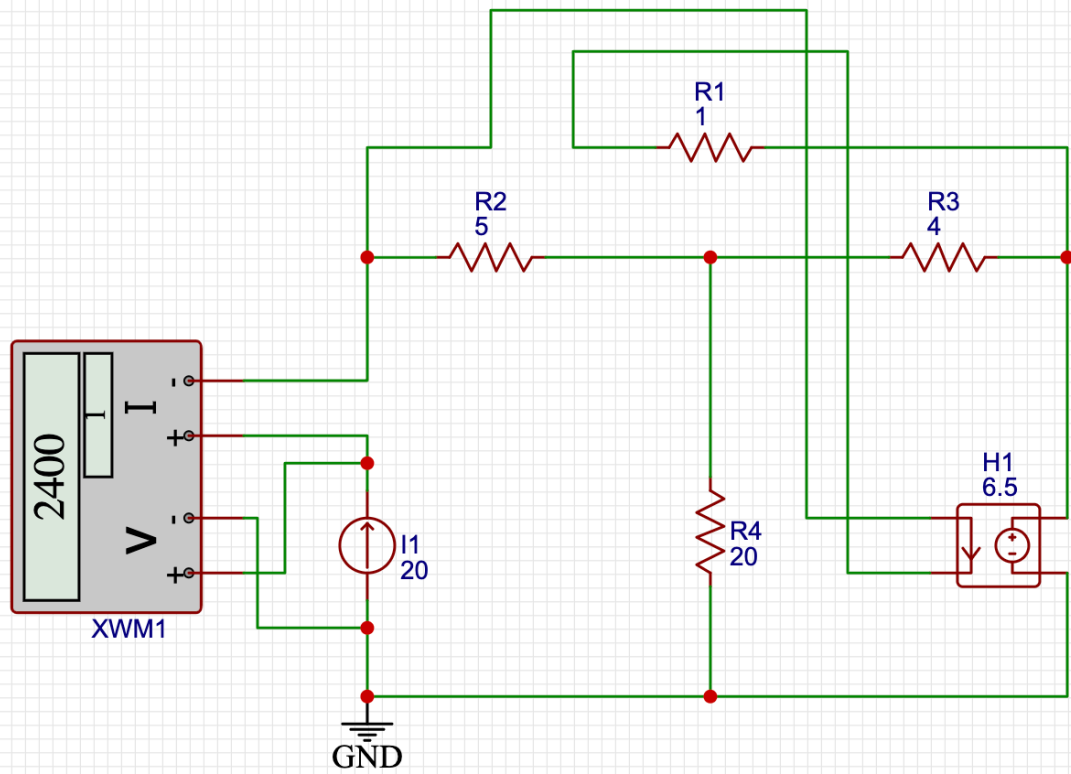
.tran 110m

4.39



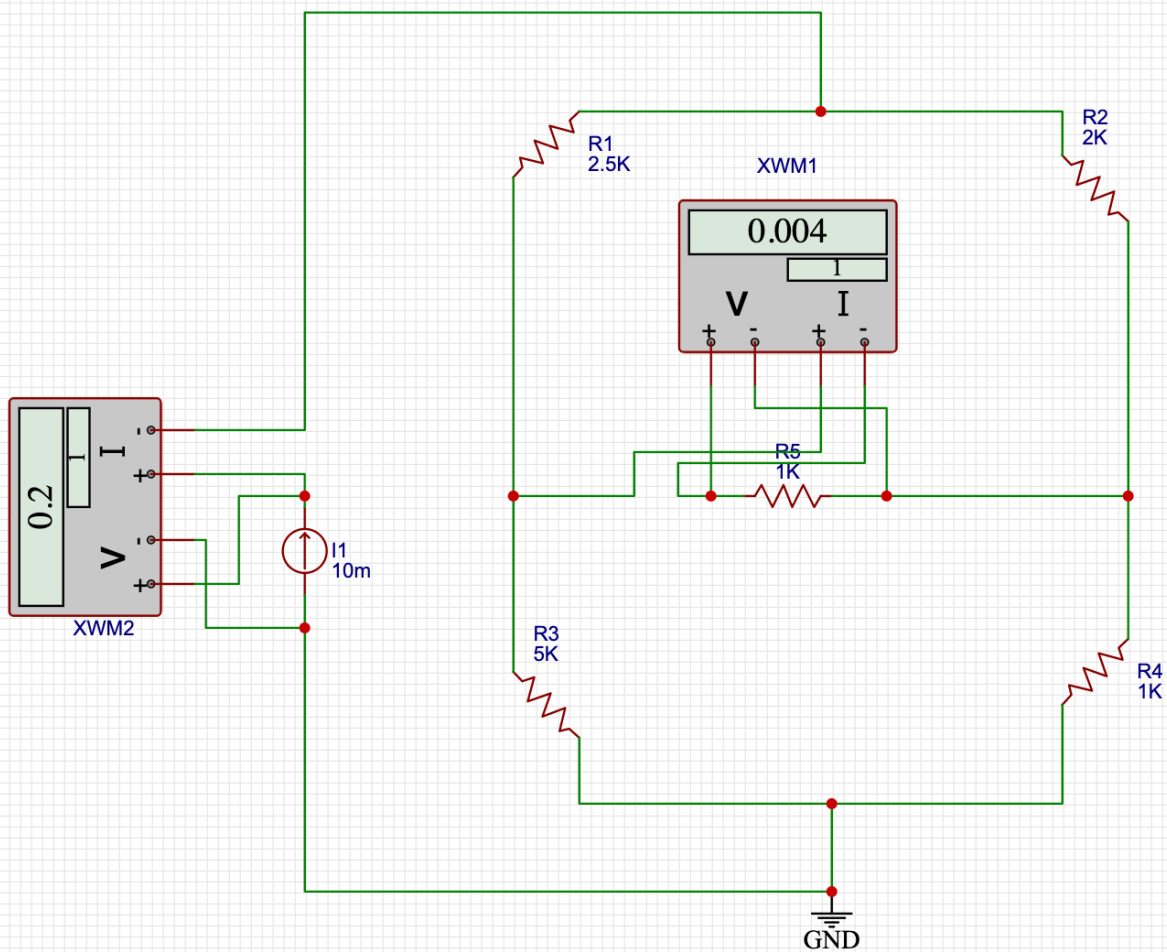
*.tran 110m*

4.46



*.tran 110m*

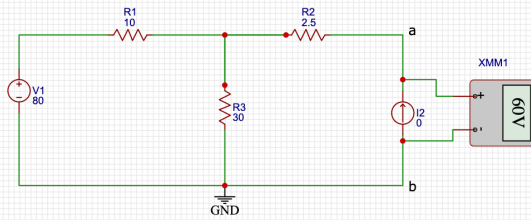
4.54



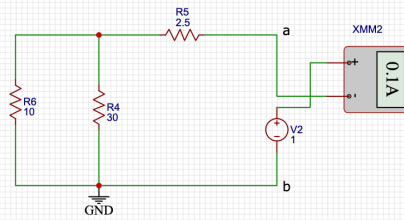
*.tran 110m*



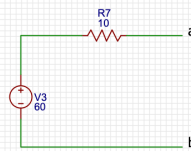
4.64



*.tran 10m*

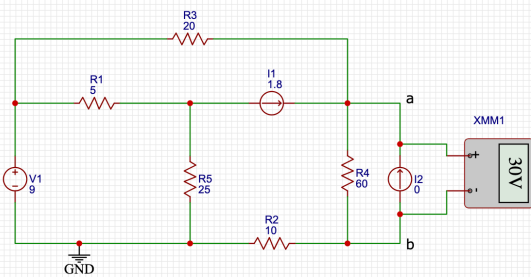


$$R_{th} = V/I = 1/0.1 = 10\Omega$$

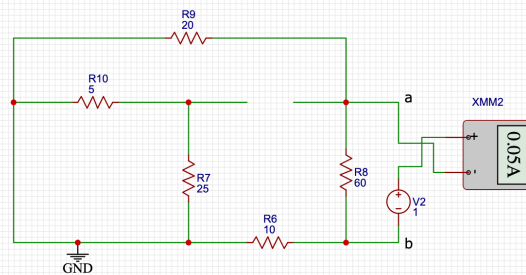


*Thévenin equivalent*

4.78

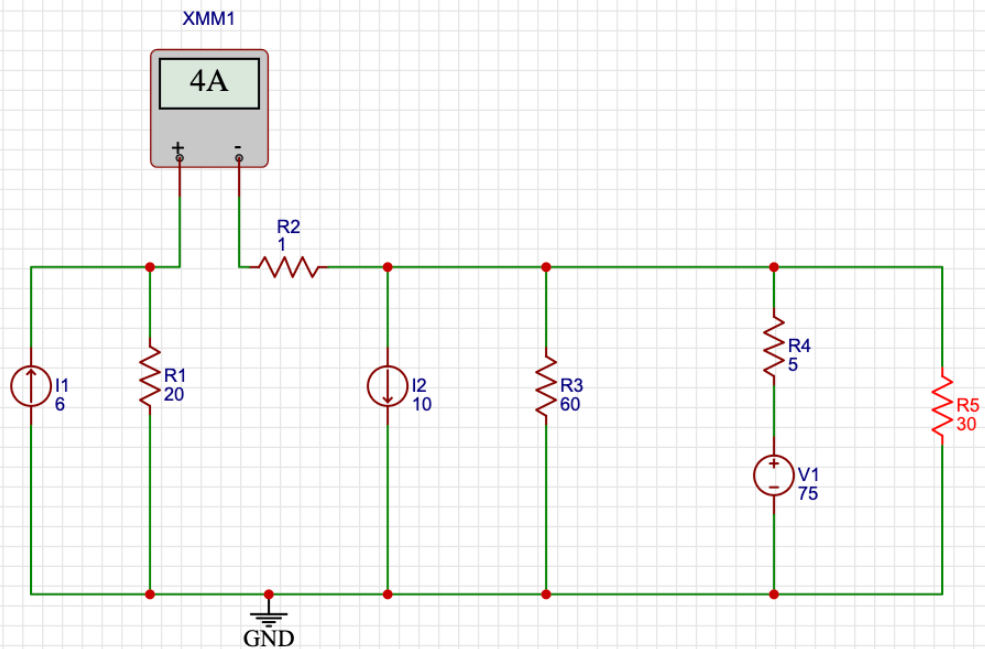


*.tran 10m*



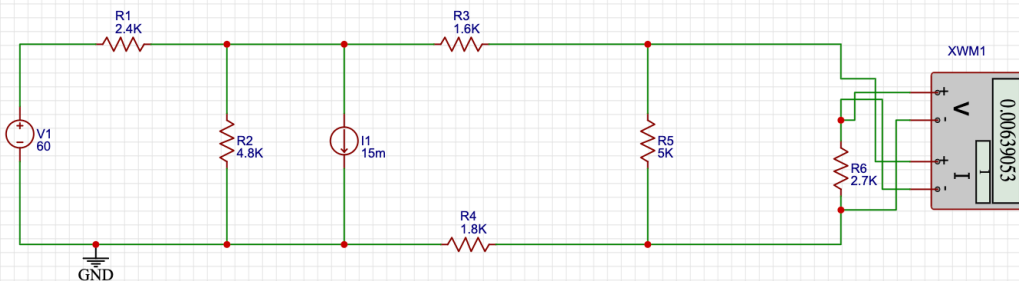
$$R_{th} = V/I = 1/0.05 = 20\Omega$$

4.95



*.tran 10m*

4.82



*.tran 110m*