



Faculty of Engineering and Technology Electrical and Computer Engineering Department

> ENEE2102 CIRCUITS LAB

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Student's number: 1152325

Experiment #3

Pre lab

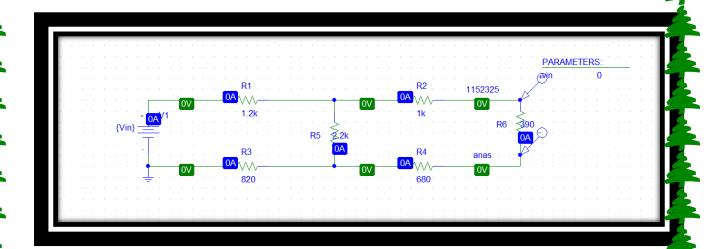
Date: 4/10/2017

Eng. Qais samara

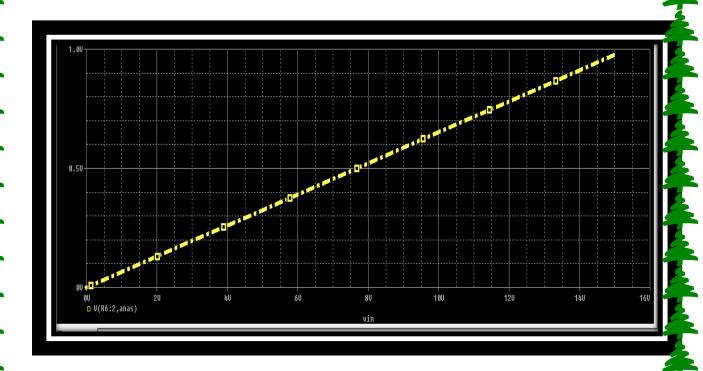
Dr. Hakam shehada

Part A: Proportionality:

Using pcpice:

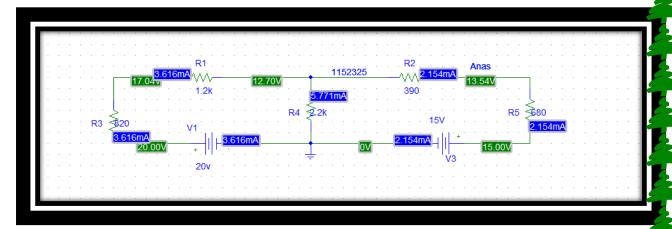


The result:

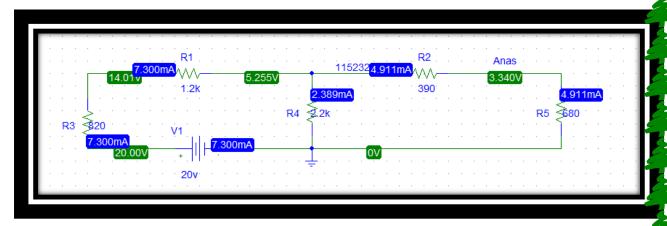


Part 2: Superposition. Using pcpice:

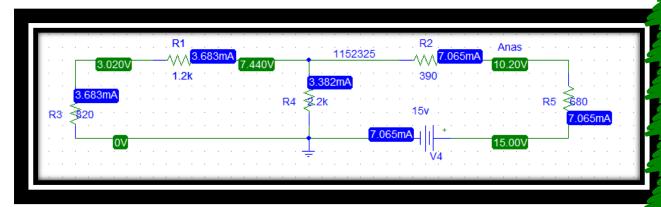
A)



B)

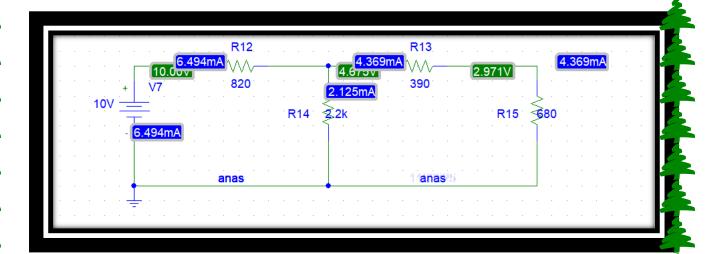


C)

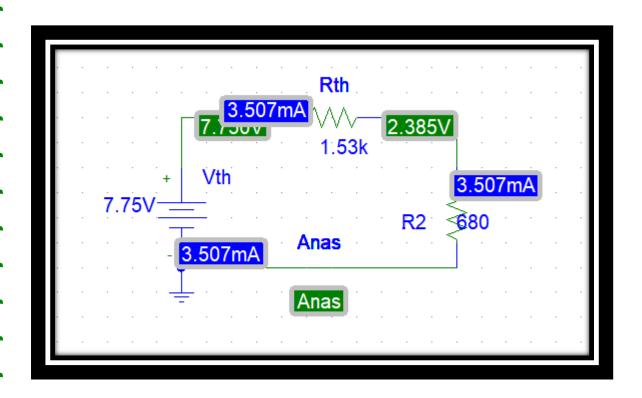




2)

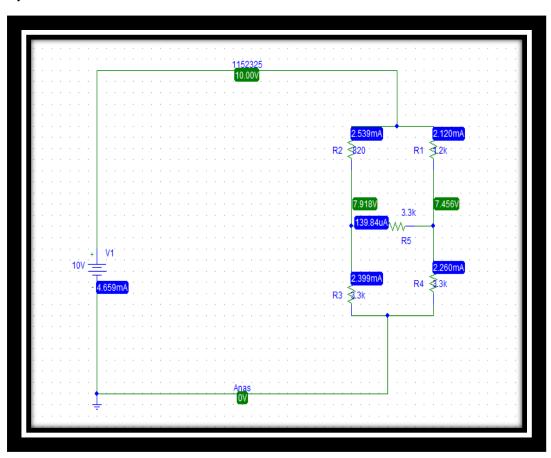


3)

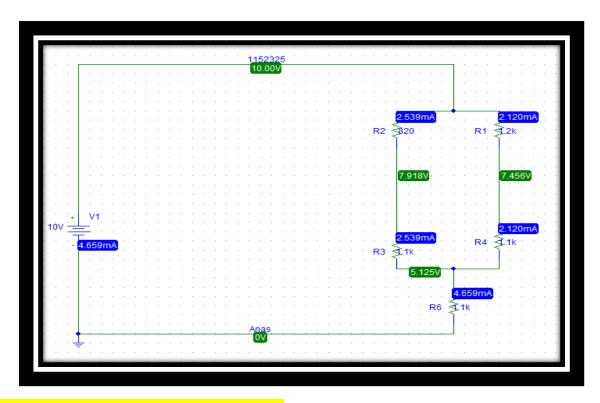


Part D: Δ-Y Transformation. Using pspice:

2)

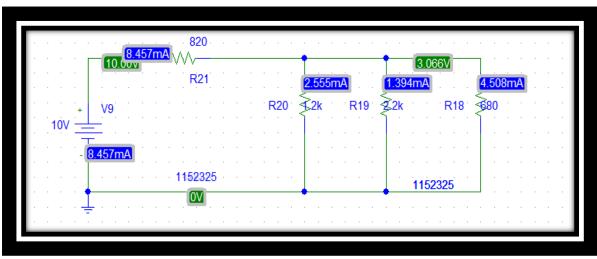


3)



Part E: Reciprocity Theorem. Using pspice:

1)



2)

