EXPERIMENT-1

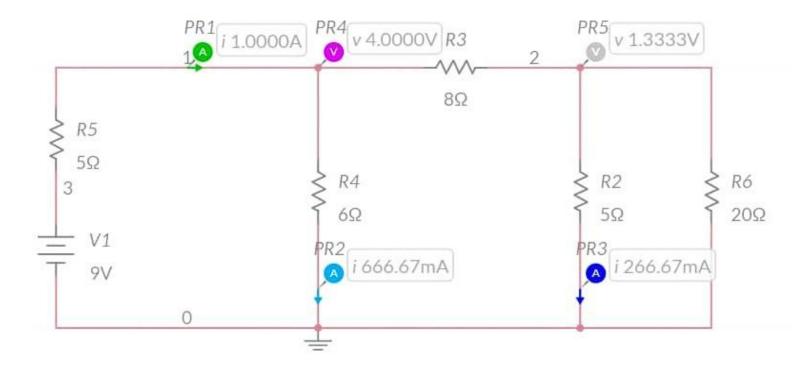
AIM:

To find the equivalent resistance using series parallel reduction.

PROCEDURE:

SERIES AND PARALLEL REDUCTION
CIRCUIT DIAGRAM
82 202
50 50 50
0-8
FIND THE CURRENT FLOWING THROUGH THE CIRCUIT ROLL and, S.D. ark in parattell connection Real = 20x5 = 4-D 20+5 Real and 8-D ark in service connection
Reg = 4+8 = 12-12
Regy = 0.006 = 13.00 Regy = 0.000 = 13.00
Reg and 5.02 axx in sexis convection Reg = 4+5=9.0
$V=IR \Rightarrow I=V$ $P=QV=LA$ $Q=Q$
03 = Rac AFLS = \$

MULTISIM:



CONCLUSION:

The current value calculated theoretically and through MULTISIM are the same. Therefore, the equivalent resistance calculated theoretically is correct.

Effective current value=1A & effective resistance value=9ohms

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ROLL NO: CB.EN.U4CYS21017