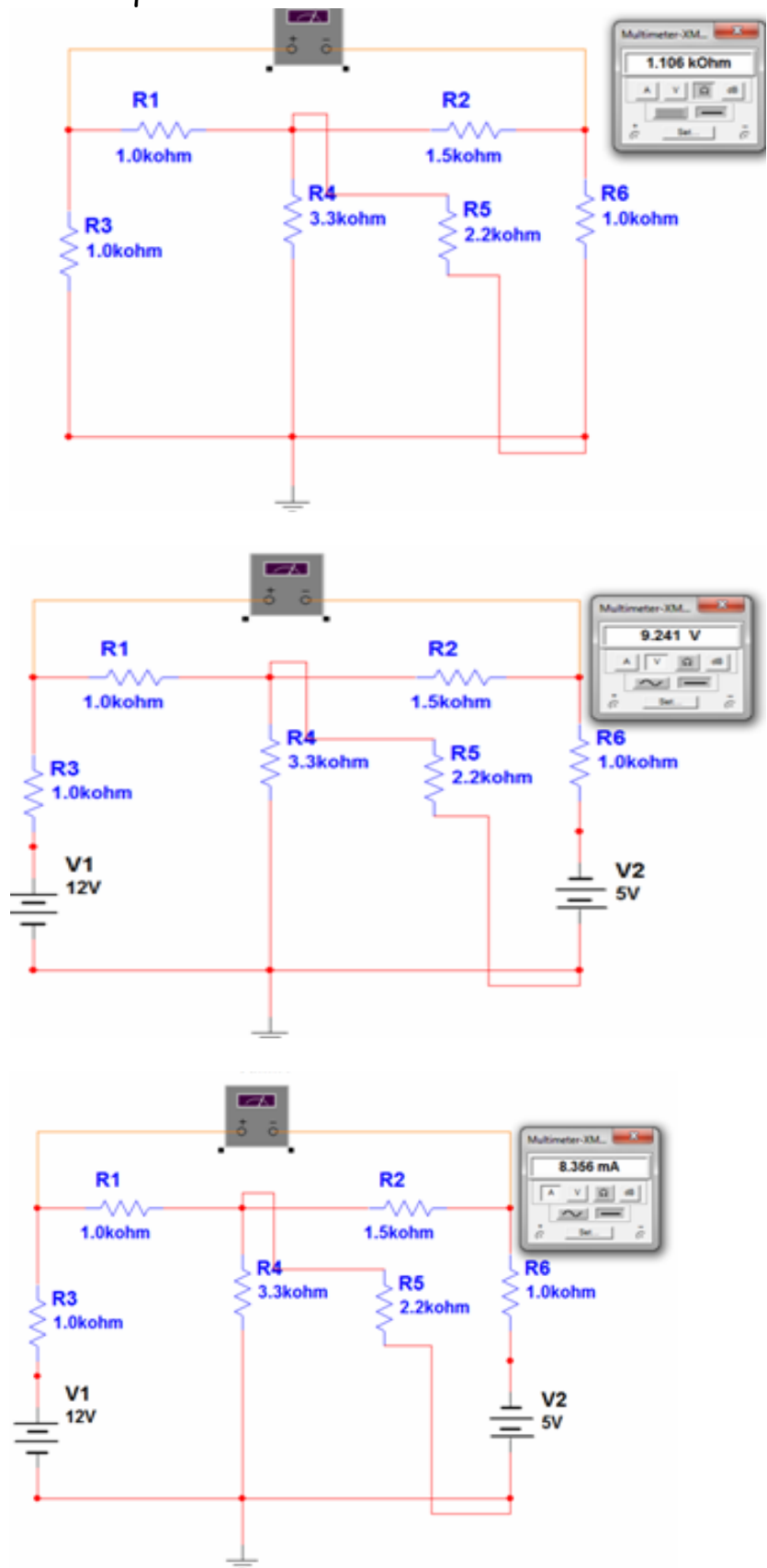
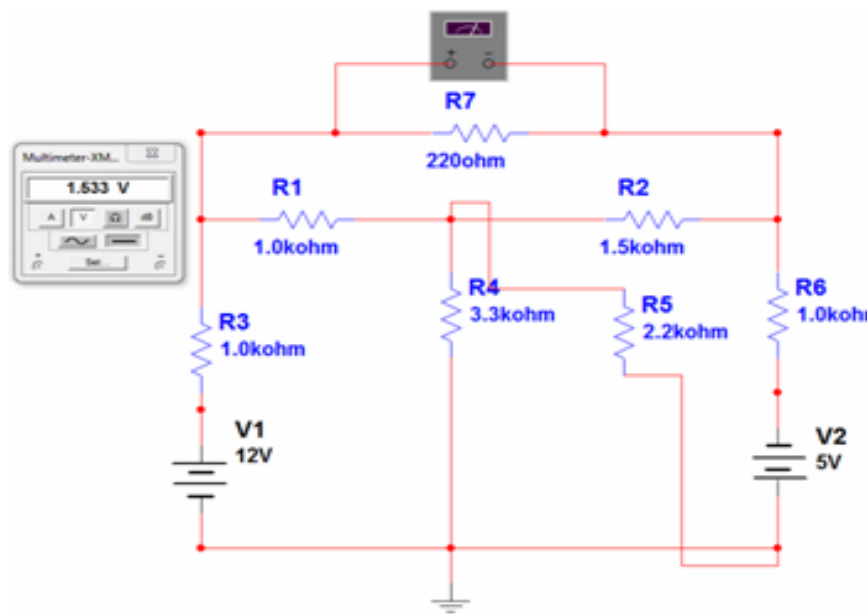


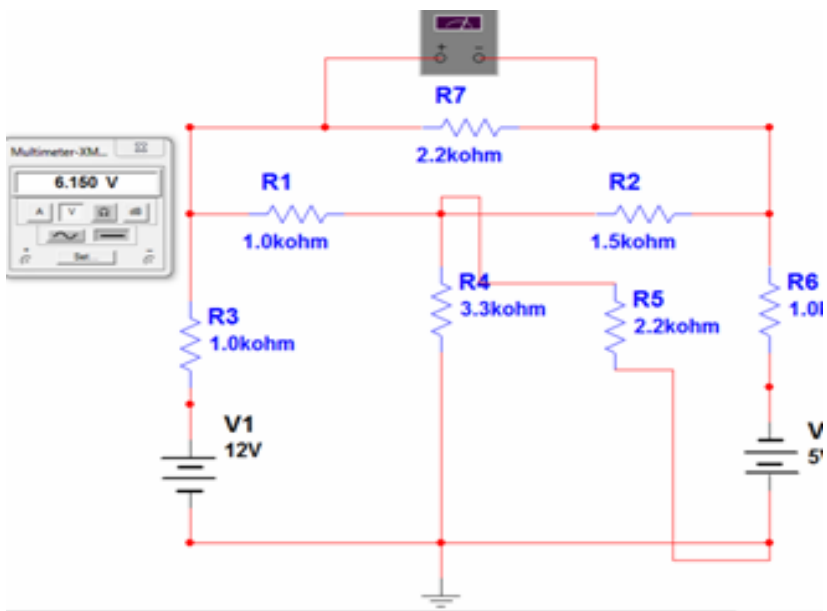
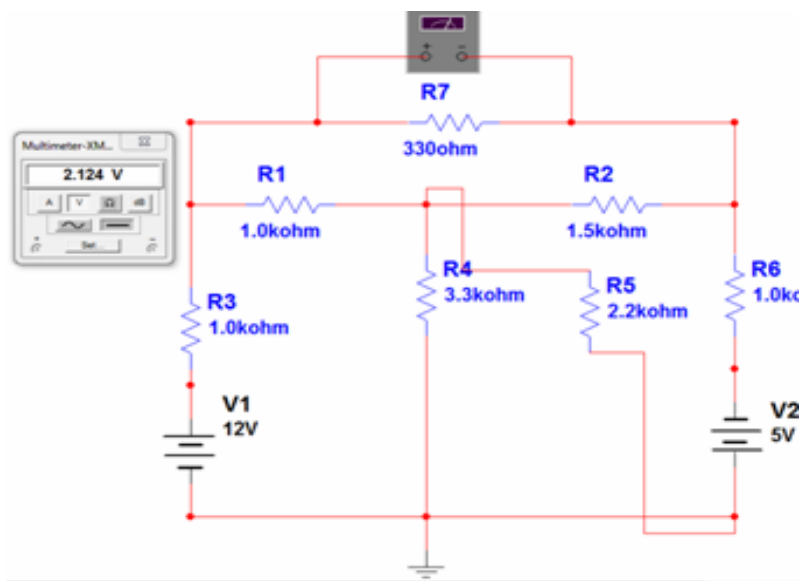
1. Thevenin & Norton Equivalents:

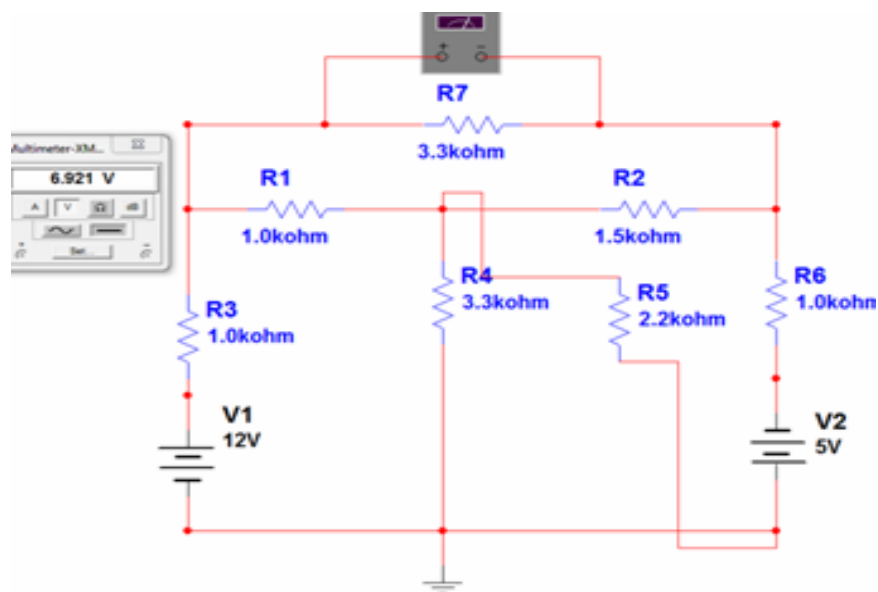
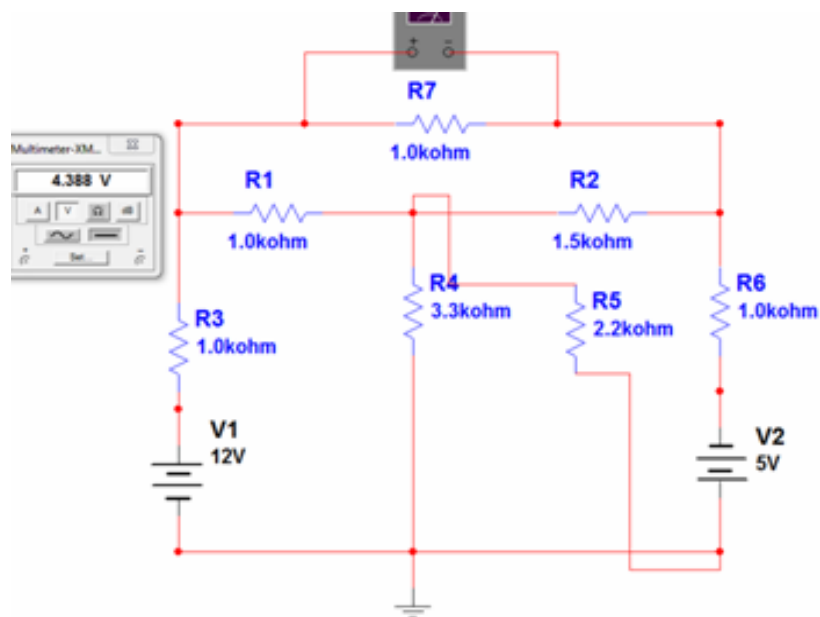


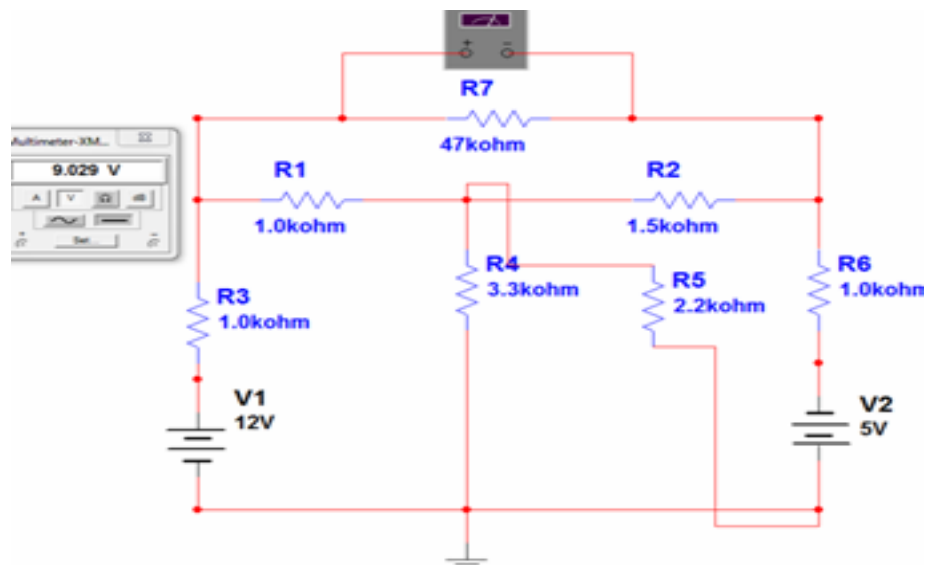
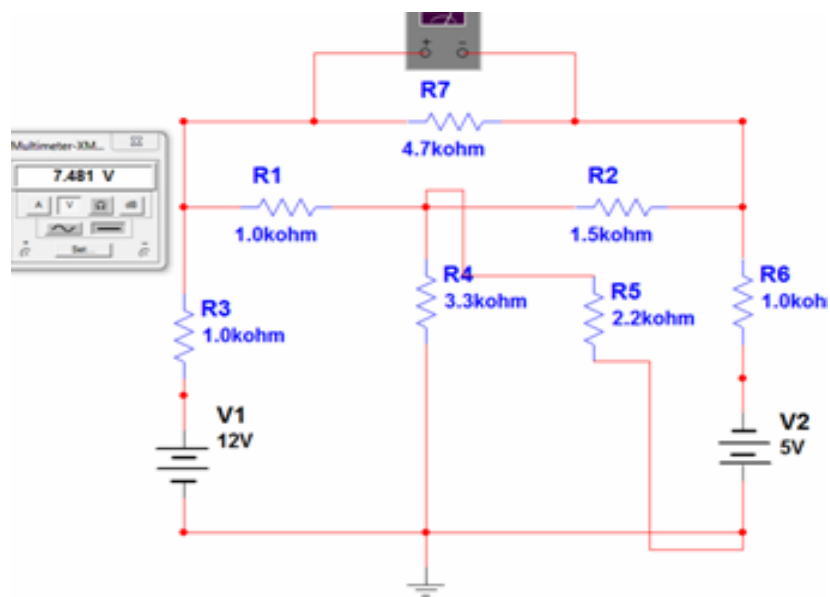
<i>Parameter</i>	<i>Units</i>	<i>Theoretical</i>
R1	KΩ	1
R2	KΩ	1.5
R3	KΩ	1
R4	KΩ	3.3
R5	KΩ	2.2
R6	KΩ	1
Rth	KΩ	1.106
Vs1	V	12
Vs2	V	5
Vth	V	9.241
Isc	mA	8.356

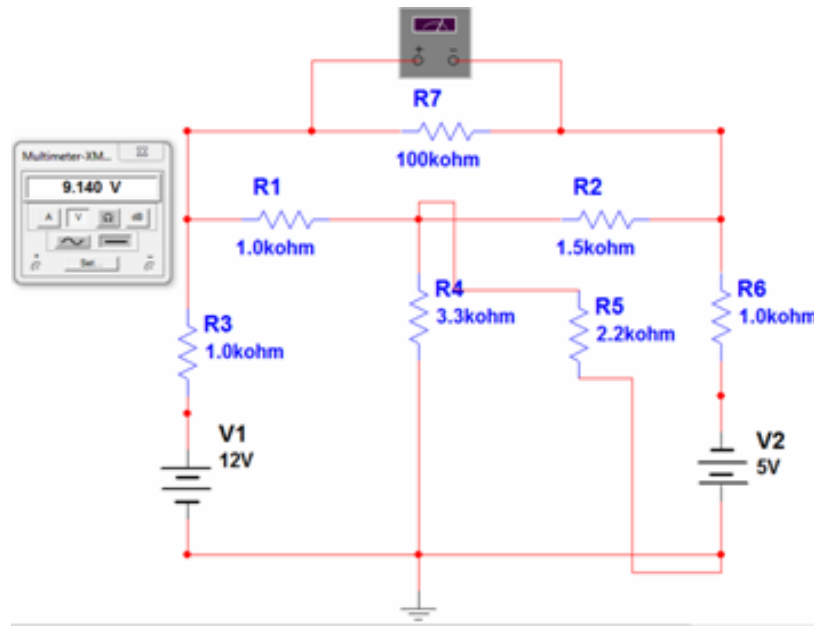
2. maximum power transfer:





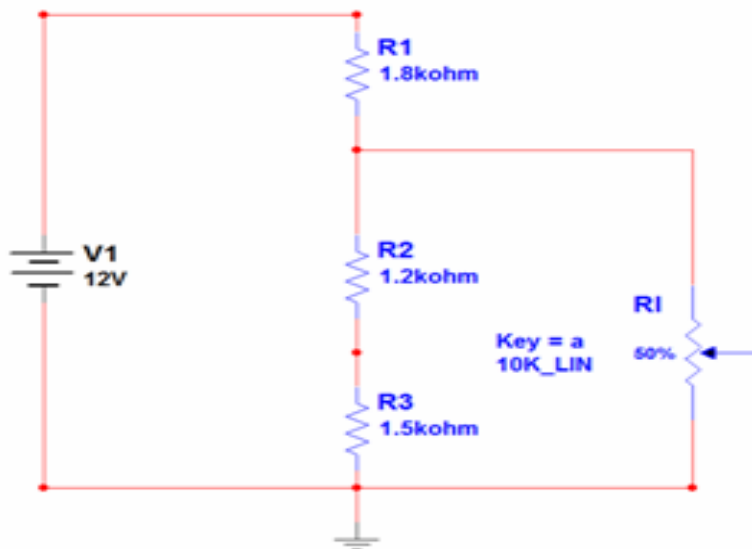






$R_l(K\Omega)$	0.22	0.33	2.2	1	3.3	4.7	47	100
$V_l(V)$	1.533	2.124	6.15	4.388	6.921	7.481	9.029	9.14
$P=V_l^2/R_l(mW)$	10.682	13.671	17.192	19.255	14.515	11.908	1.735	0.835

3.potentiometer:





The Hashemite University
Faculty Of Engineering
Department of Electrical Engineering
Electrical Circuit Lab
(409300)

Experiment "4" (techniques of circuit analysis (2)
(thevenin , Norton , max .power transfer))
Prelab "4"

*Instructor name :Dr. Ahmade Al -Nemrat
*Eng. Name: Alaa
*Student Name:
*ID:
*Date: 29/june/2010
*Day: Tuesday