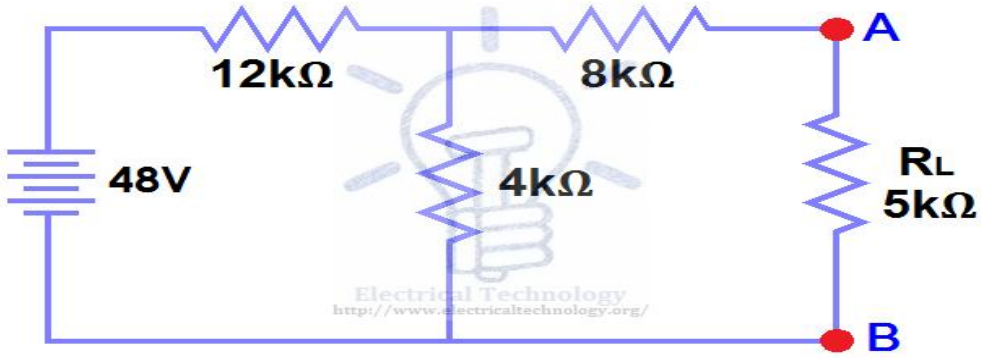
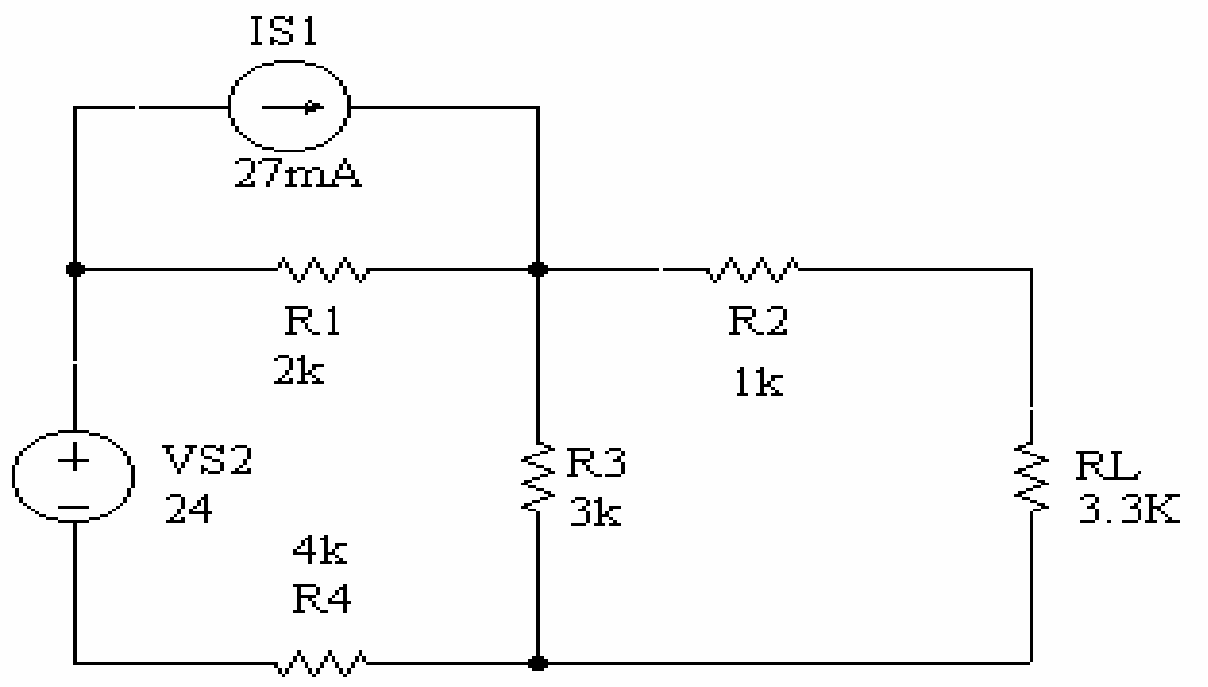
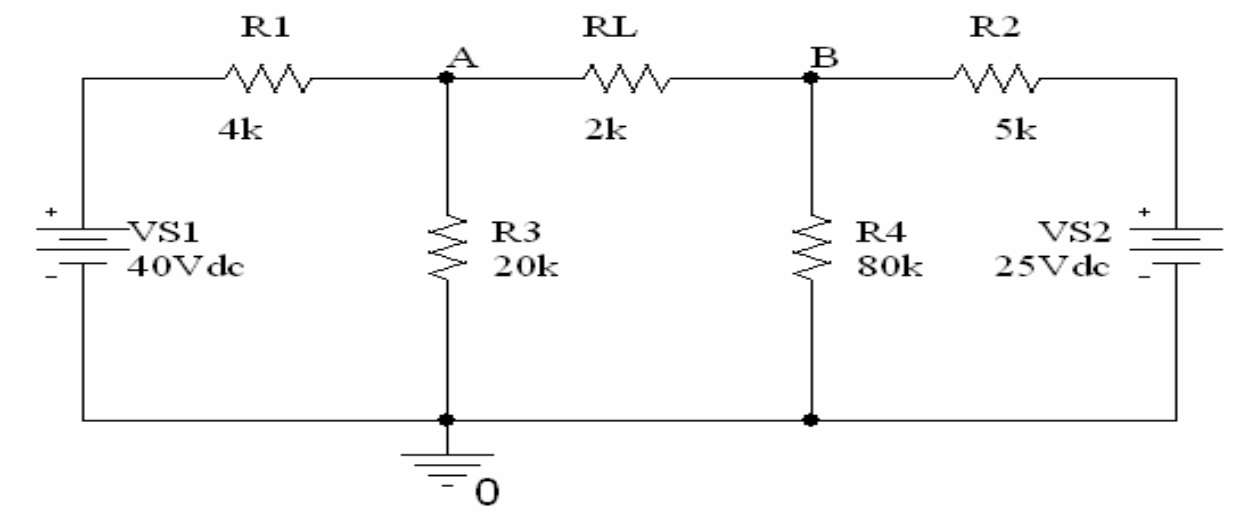


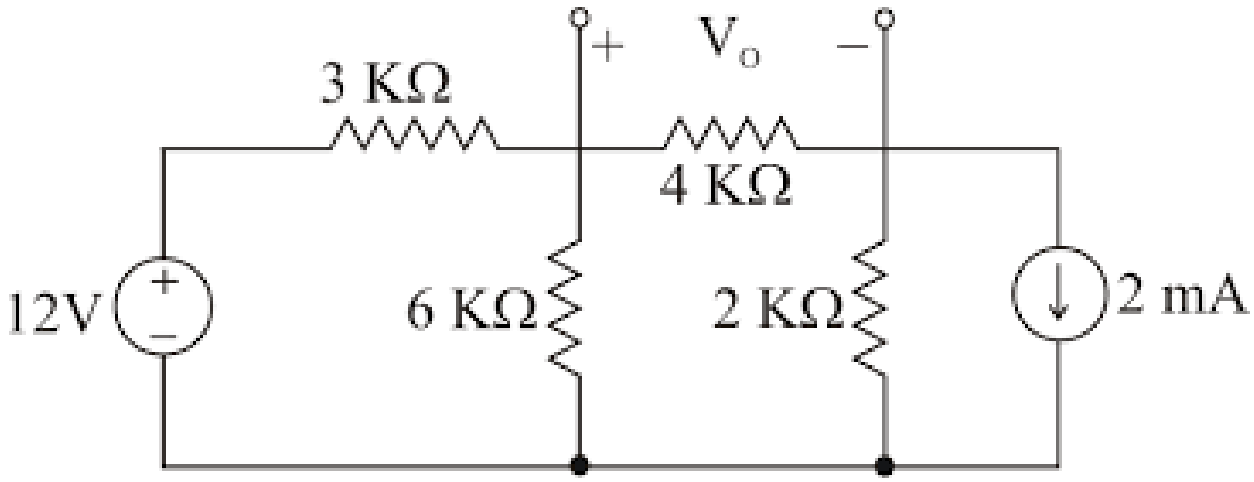
$V_{TH} = 12$ $R_{TH} = 11$ $V_L = 3.75$ $I_L = 0.75$
$I_N = 1.09$ $R_N = 11$ $V_L = 3.75$ $I_L = 0.75$
$R_{eq} = 15.05$ $V_s = 48$ $I_S = 3.18$ $V_L = 3.75$ $I_L = 0.75$



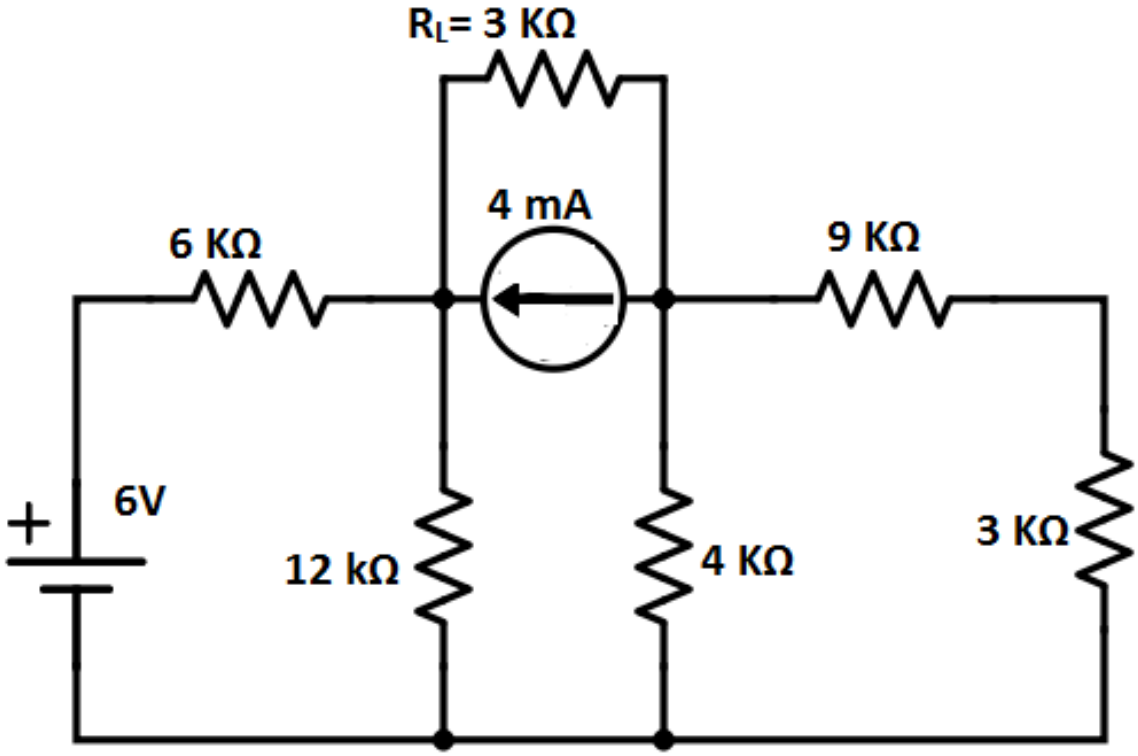
$V_{TH}^{I} = 8$ $V_{TH}^{II} = 18$ $V_{TH} = 26$ $R_{TH} = 3$ $V_L = 13.61$ $I_L = 4.12$	
$I_N^I = 2.66$ $I_N^{II} = 6$ $I_N = 8.66$ $R_N = 3$ $V_L = 13.61$ $I_L = 4.12$	
$R_{eq} = 7.76$ $V_s = 24$ $I_S = 3.08$ $I_L^I = 1.26$ $V_L^I = 4.19$ $R_{eq} = 1.48$ $I_s = 27$ $V_S = 40.09$ $I_L^{II} = 2.85$ $V_L^{II} = 9.42$	$V_L = 13.6$ $I_L = 4.12$



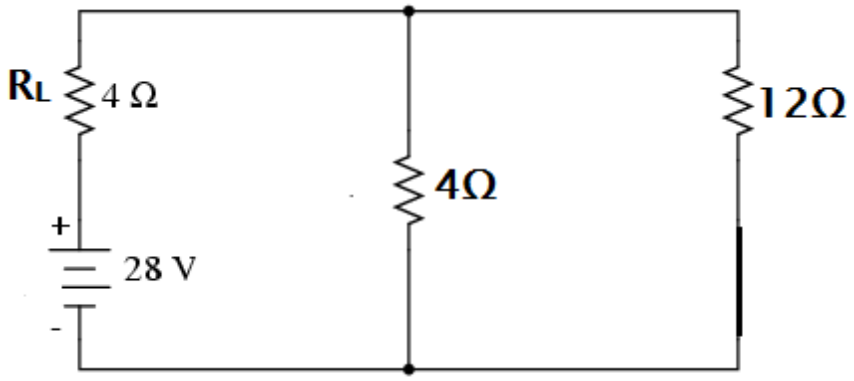
V_{TH}^{I} = 33.33 V_{TH}^{II} = 23.52 V_{TH} = 9.81 R_{TH} = 8.03 V_L= 1.94 I_L= 0.97	
I_N^I= 4.14 I_N^{II} = 2.92 I_N= 1.21 R_N = 8.03 V_L= 1.94 I_L= 0.97	
R_{eq} = 9.01 V_s = 40 I_S= 4.43 I_L^I = 3.31 V_L^I = 6.62 R_{eq} = 10 V_s = 25 I_S= 2.5 I_L^{II} = 2.34 V_L^{II} = 6.68	V_L=1.94 I_L= 0.97



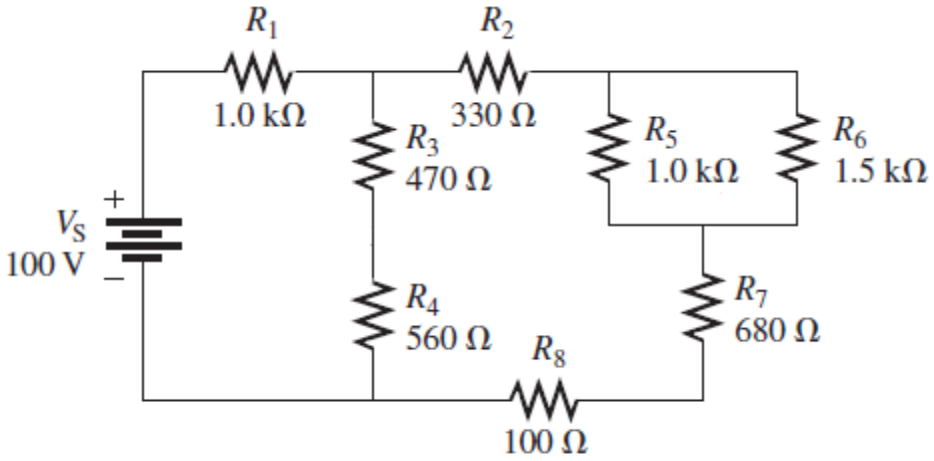
$V_{TH}^{I} = 8\ V_{TH}^{II} = 4$ $V_{TH} = 12$ $R_{TH} = 4$ $V_L = 6$ $I_L = 1.5$	
$I_N^{I} = 2\ I_N^{II} = 1$ $I_N = 3$ $R_N = 4$ $V_L = 6$ $I_L = 1.5$	
$R_{eq} = 6$ $V_s = 12$ $I_S = 2$ $I_L^{I} = 1\ V_L^{I} = 4$ $R_{eq} = 1.5$ $I_s = 2$ $V_S = 3$ $I_L^{II} = 0.5\ V_L^{II} = 2$	$V_L = 6$ $I_L = 1.5$



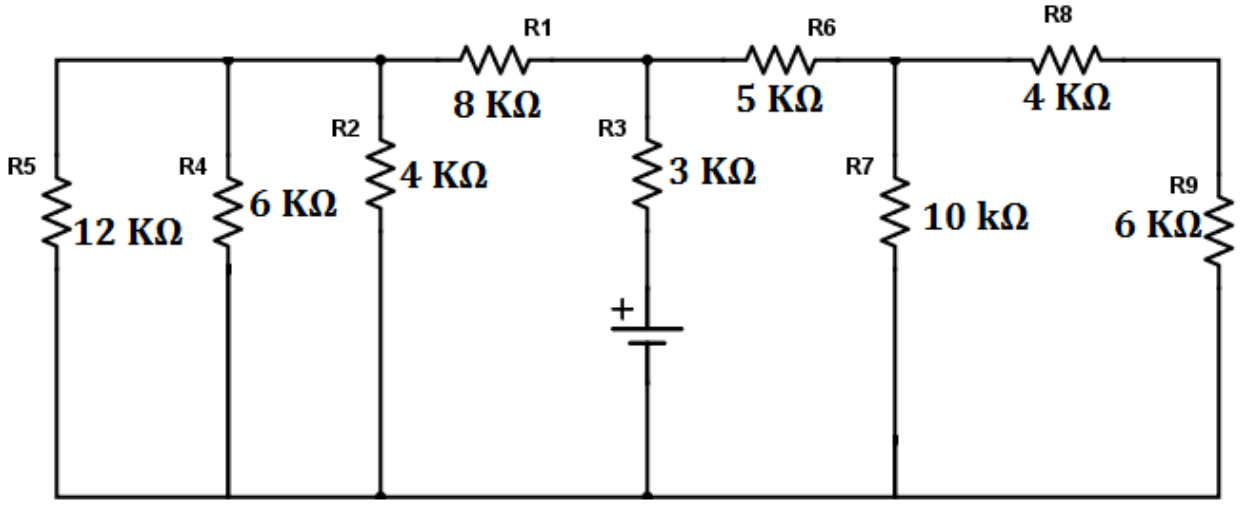
$V_{TH}^{I} = 4\, V_{TH}^{II} = 28$ $V_{TH} = 32$ $R_{TH} = 7$ $V_L = 9.6$ $I_L = 3.2$	
$I_N^I = .57$ $I_N^{II} = 4$ $I_N = 4.57$ $R_N = 7$ $V_L = 9.6$ $I_L = 3.2$	
$R_{eq} = 10$ $V_s = 6$ $I_S = .6$ $I_L^I = .4$ $V_L^I = 1.2$ $R_{eq} = 2.1$ $I_s = 4$ $V_S = 8.4$ $I_L^{II} = 2.8$ $V_L^{II} = 8.4$	V_L=9.6 I_L= 3.2



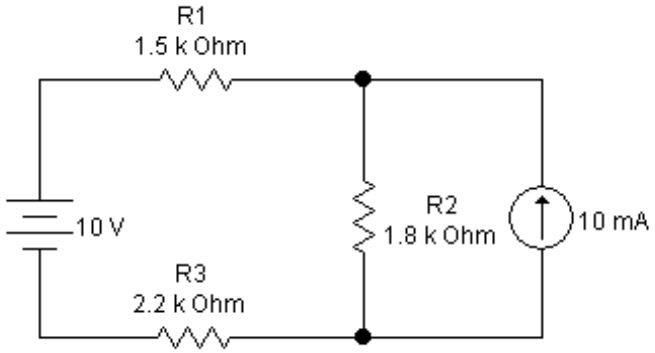
$V_{TH} = 28$ $R_{TH} = 3$ $V_L = 16$ $I_L = 4$
$I_N = 9.33$ $R_N = 3$ $V_L = 16$ $I_L = 4$
$R_{eq} = 7$ $V_s = 28$ $I_S = I_L = 4$ $V_L = 16$



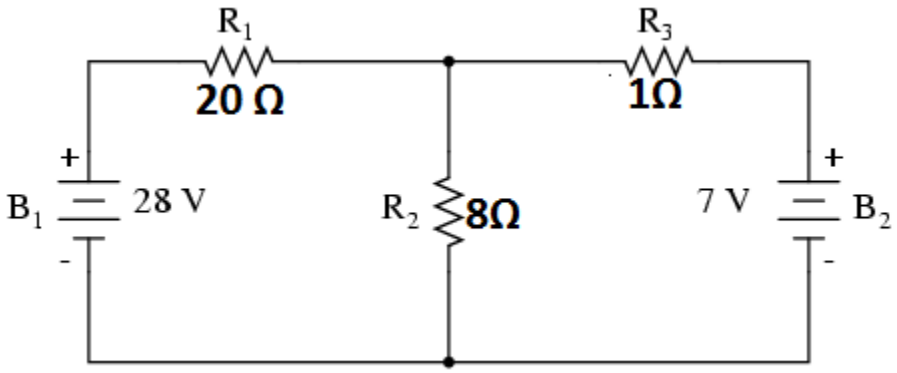
V_{TH} = 50.73 R_{TH} = 1573 V_L= 15.55 I_L= .022
I_N= 33.00 R_N = 1573 V_L= 15.55 I_L= .022
R_{eq} = 1642 V_s = 100 I_S=.609 V_L= 15.55 I_L= .022



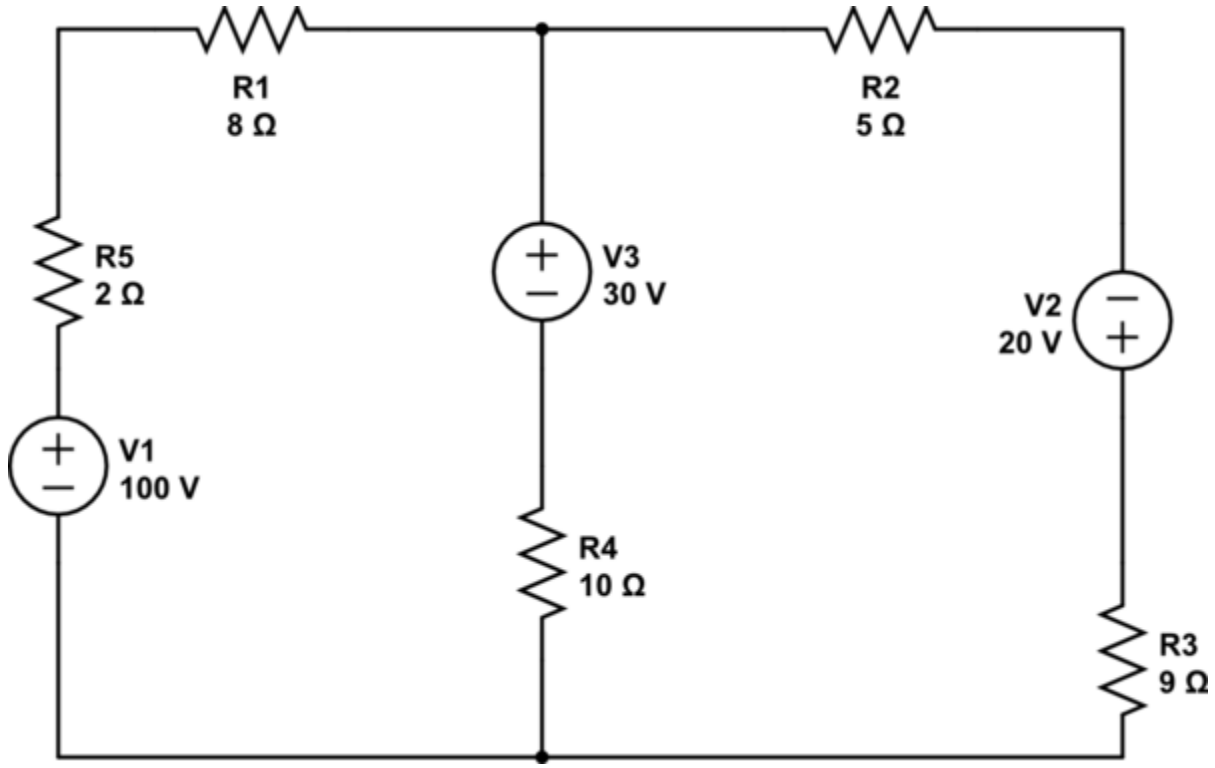
V_{TH} = 6.94 R_{TH} = 2.32 V_L= 5 I_L= 0.8333
I_N= 33.00 R_N = 2.32 V_L= 5 I_L= 0.8333
R_{eq} = 8 V_s = 40 I_S= 5 V_L= 5 I_L= 0.8333



$V_{TH}^{I} = 10$ $V_{TH}^{II} = 37$ $V_{TH} = 47$ $R_{TH} = 3.7$ V_L=15.38 I_L= 8.54	
I_N^I= 2.7 $I_N^{II} = 10$ I_N= 12.7 $R_N = 3.7$ V_L=15.38 I_L= 8.54	
$R_{eq} = 5.5$ $V_s = 10$ I_S= I_L^I =1.818 $V_L^I = 3.27$ $R_{eq} = 1.21$ $I_s = 10$ V_S= 12.1 $I_L^{II} = 6.72$ $V_L^{II} = 12.1$	V_L=15.38 I_L= 8.54



$V_{TH}^{I} = 1.33$ $V_{TH}^{II} = 6.66$ $V_{TH} = 8$ $R_{TH} = 0.95$ $V_L = 7.15$ $I_L = 0.893$	
$I_N^I = 1.4$ $I_N^{II} = 7$ $I_N = 8.4$ $R_N = 0.95$ $V_L = 7.15$ $I_L = 0.893$	
$R_{eq} = 20.88$ $V_s = 28$ $I_S = 1.34$ $I_L^I = 0.148$ $V_L^I = 1.19$ $R_{eq} = 6.71$ $V_s = 7$ $I_S = 1.042$ $I_L^{II} = 0.744$ $V_L^{II} = 5.95$	$V_L = 7.15$ $I_L = 0.893$



$V_{TH}^{I} = 58.33\ V_{TH}^{II} = 8.33\ V_{TH}^{III} = 30$ V_{TH}=20 R_{TH}=5.833 V_L=12.6 I_L=1.26	
I_N^I= 10 $I_N^{II} = 1.42\ I_N^{III} = 5.14$ I_N= 3.43 R_N = 5.833 V_L=12.6 I_L=1.26	
R_{eq} = 15.833 V_s = 100 I_S= 6.31 $I_L^I = 3.68\ V_L^I = 36.8$ R_{eq} = 19 V_s = 20 I_S= 1.05 $I_L^{II} = 0.52\ V_L^{II} = 5.2$ R_{eq} = 15.833 V_s = 30 I_S= 1.89 $I_L^{III} = 1.89\ V_L^{III} = 18.9$	V_L=12.6 I_L= 1.26