



Sheet 1

1	$I_o = -12/7 \text{ A}$ $P_R = 8/49 \text{ W}$	15	$V_o = 13.682 -74.7^\circ \text{ V}$
2	$V_o = 1 \text{ V}$	16	$V_s = 8.54 159.44^\circ \text{ V}$
3	$V_R = -8/3 \text{ V}$	17	$Z = -0.61 + j0.479 \Omega$
4	$P = 35.2653 \text{ W}$	18	$V_o = 9.077 19.84^\circ \text{ V}$
5	$V_o = 90/11 \text{ V}$	19	$(2 + j)I_1 - I_2 = -2$ $-I_1 + (1 - j)I_2 = -4.24264 - 6.24264j$
6	$V_o = 10 \text{ V}$	20	$V_R = 4 -36.87^\circ \text{ V}$
7	$V_o = 4.5 \text{ V}$	21	$V_o = 4.98 85.24^\circ \text{ V}$
8	$V_o = 1.5 \text{ V}$	22	$Z_L = 3.2 + 2.4j \Omega$ $P_{\max} = 2.836 \text{ W}$
9	$I_o = 4/3 \text{ A}$	23	$P = 20.8 \text{ W}$
10	$R_L = 6 \Omega$ $P_{\max} = 3.375 \text{ W}$	24	$Z_L = 0.52 - 0.64j \Omega$ $P_{\max} = 24.923 \text{ W}$
11	$Z_{\text{in}} = 6/11 \Omega$		
12	$Y_{\text{in}} = -7.778j \Omega^{-1}$		
13	$I_1 = 8.05 -3.945^\circ \text{ A}$ $I_2 = 4.99 93.18^\circ \text{ A}$ $I_3 = 9.9846 -33.69^\circ \text{ A}$ $I_4 = 4.465 -60.255^\circ \text{ A}$ $I_5 = 6.3148 -15.26^\circ \text{ A}$		
14	$I_s = 8.485 -135^\circ \text{ A}$		