

ESERCIZIO 1

A1=19 mA, A2=47 mA
E1=19 V, E2=2 V
R1=4 kohm, R2=5 kohm
R3=0.5 kohm, R4=1 kohm
R5=0.8 kohm, R6=0.4 kohm

Vnode=[49.4046,1.97036,-5.86439]
V1=-47.4342,V2=-7.83475,V3=-55.269
V4=-49.4046,V5=-5.86439,V6=1.97036,V7=-47.4342
PA1=1.05011,PA2=2.32202,PE1=-0.135063,PE2=-0.023339

ESERCIZIO 2

E=18 V, $\phi_E = -\pi/2$
A=13 mA, $\phi_A = -\pi/6$
 $\omega_e = 2$ Mrad/s, $\omega_a = 3$ Mrad/s
R1=13 kohm, R2=16 kohm
L1=296 microH, L2=236 microH, M=80 microH

Caso 1

Zeq_A=7172.4138+393.92481i
Ie_A=-0.0012172+0.00070275i
Va_A=83.3099-42.1858i
Zeq_E=38.985314+1062.5696i
Ie_E=-0.016917-0.00062069i
Va_E=1.1916e-16-1.9461i
Pa=1.22479
Pe=-0.00147705

Caso 2

Zeq_A=7172.4138+275.09827i
Ie_A=-0.0010704+0.000618i
Va_A=82.5375-43.5235i
Zeq_E=65.900113+1380.855i
Ie_E=-0.013006-0.00062069i
Va_E=1.0479e-16-1.7114i