ESERCIZIO 1

E1=7 V, E2=11 V
A=10 mA
R1=3 kohm, R2=2 kohm
R3=5 kohm, R4=3 kohm
R5=6 kohm, R6=4 kohm

Rseg=[12,-6,3;-6,15,5;3,5,10]kohm
A=[0,0,10,0,0] mA
E=[-7,-11,0,0,0,0] V
Vmaglia=[7,-50,-39] V
Imaglia=[0.0606061,-2.40364,-2.71636] mA
I1=0.0606061 mA,I2=-2.71636 mA,I3=5.12 mA
I4=-2.65576 mA,I5=-2.46424 mA,I6=-2.40364 mA
Convenzione generatori:
PE1=0.424242 mW,PE2=-29.88 mW,PA=244 mW

ESERCIZIO 2

V_1=39 V, phi_1=-pi/3
omega=0.9 krad/s
R1=7 kohm, R2=2 kohm, R3=4 kohm
L1=0.12 H, L2=0.8 H, C=3 microF

Z11=0.463759 PHI 75.1791 kohm
Z12=0.253175 PHI 98.6162 kohm
Z21=0.253175 PHI 98.6162 kohm
Z22=0.257243 PHI -71.1798 kohm
Y11=1.41121 PHI -79.796 mS
Y12=1.38889 PHI -90 mS
Y21=1.38889 PHI -90 mS
Y22=2.54413 PHI 66.5629 mS
I1=55.0372 PHI -139.796 mA
I2=54.1667 PHI -150 mA
P=380.25 mW
Q=2112.5 mVAR
cosphi=0.177153