

## Esercizio 1

E1=2 V, E2=6 V

A=9 mA

R1=2 kohm, R2=4 kohm

R3=1 kohm, R4=0.1 kohm

Rseg=[6,-2,4;-2,3.1,1;4,1,5]kohm

A=[0,0,9,0,0,0] mA

E=[0,0,0,0,-2,6] V

Vmaglia=[2,-9,-3] V

Imaglia=[-38.4286,-40,38.1429] mA

I1=-1.57143 mA, I2=0.285714 mA, I3=1.85714 mA

I4=-40 mA, I5=-38.4286 mA, I6=-38.1429 mA

Convenzione generatori:

PE1=-76.8571 mW, PE2=228.857 mW, PA=64.2857 mW

## ESERCIZIO 2

R1=15 kohm, R2=13 kohm

L1=21 mH, L2=26 mH

M=10 mH, C=400 pF,

E0=60 V

E=54 V, A=3 mA, f=10<sup>5</sup> Hz

phi\_E=-pi/6, phi\_A=pi/4

I10=-4 mA

I20=0 mA

Ie0=4 mA

V0=0 V

I1E=2.70304 PHI 108.664 mA

I2E=3.97197 PHI 167.018 mA

IeE=5.86081 PHI -36.1005 mA

VE=51.6356 PHI -12.9824 V

I1A=1.98143 PHI -86.3363 mA

I2A=2.86864 PHI 62.0176 mA

IeA=1.57401 PHI -159.319 mA

VA=11.414 PHI -27.9824 V

VEM=66.6919 PHI -5.304 V

VAM=22.363 PHI -60.5827 V