

### Esercizio 1

A1=6 mA, A2=4 mA

R1=4 kohm, R2=1 kohm

R3=2 kohm, R4=5 kohm

Gseg=[0.45,0,-0.2;0,1,0;-0.2,0,0.7]mS

Inode=[-6,2,4]mA

Vnode=[-12.3636,2,2.18182]

PR1=38.2149 mW, PR2=4 mW, PR3=2.38017 mW, PR4=42.314 mW

PA=86.9091 mW

### Esercizio 2

R1=27 kohm, R2=11 kohm

L1=6 mH, L2=3 mH

f=1 MHz

Z\_11=18.9805 PHI 52.5543 kohm

Z\_12=14.7895 PHI 123.901 kohm

Z\_21=14.7895 PHI 123.901 kohm

Z\_22=14.854 PHI 58.024 kohm

Y\_11=31.8241 PHI -33.9966 uS

Y\_12=31.6858 PHI -148.12 uS

Y\_21=31.6858 PHI -148.12 uS

Y\_22=40.665 PHI -39.4663 uS