

Dati e risultati 30 giugno 2021

ESERCIZIO 1

$E1=9$ V, $E4=7$ V

$A6=50$ mA

$R1=1$ kohm, $R2=3$ kohm

$R3=6$ kohm, $R4=7$ kohm

$R5=5$ kohm

$Gseg=[1.33333,-0.333333,-1;-0.333333,0.7,-0.166667;-1,-0.166667,1.30952]$ mS

$A=[0,0,0,0,0,50]$ mA

$E=[-9,0,0,-7,0,0]$ V

$Inode=[59,0,-8]$ mA

$Vnode=[203,136.25,166.25]$

$V1=-36.75, V2=66.75, V3=30$

$V4=-166.25, V5=-136.25, V6=-203$

Convenzione generatori:

$PE1=-249.75$ mW, $PE4=-159.25$ mW, $PA6=10150$ mW

ESERCIZIO 2

$E=10$ V

$R1=12$ ohm, $R2=13$ ohm, $R3=15$ ohm

$L=1$ H, $T=3$ s

$i(0+)=0$ A

$v(0+)=5.55556$ V

$\alpha1=-6.66667$ Hz

$ip1=0.833333$ A

$K1=-0.833333$ A

$i(T-)=0.833333$ A

$v(T-)=1.14509e-08$ V

$v(T+)=3.38983$ V

$\alpha2=-4.40678$ Hz

$ip2=1.60256$ A

$K2=-0.769231$ A