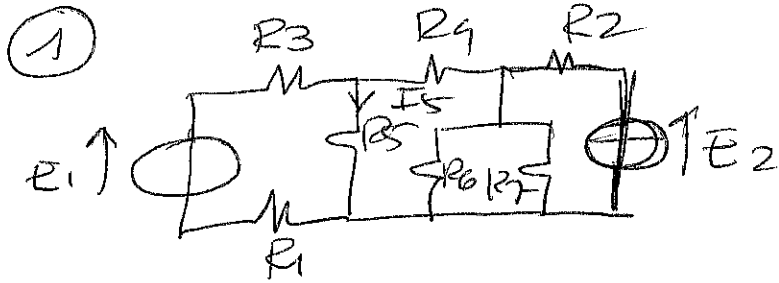


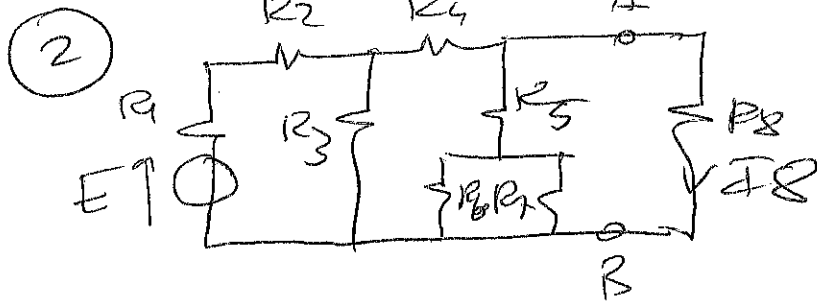
3 ELE + 3 INF

prof. CAELPM'

ELETTROTECNICA



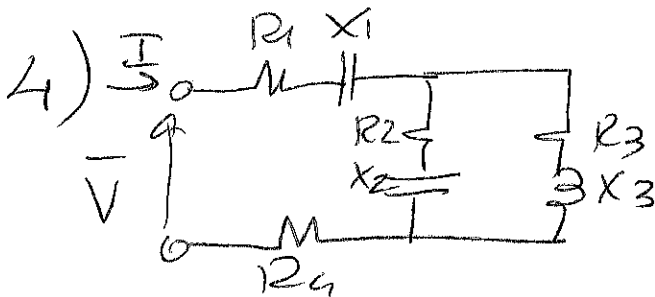
$E_1 = 100V$
 $E_2 = 150V$
 $R_1 = 10\Omega$
 $R_2 = 6\Omega$
 $R_3 = 4\Omega$
 $R_4 = 7\Omega$
 $R_5 = 5\Omega$
 $R_6 = 2\Omega$
 $R_7 = 6\Omega$
 $I_5 = ?$



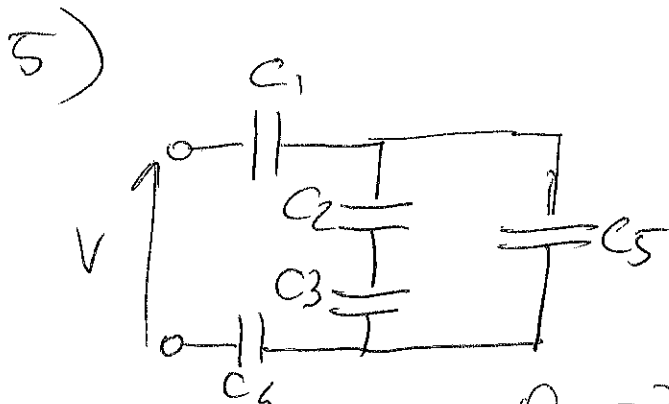
$E = 180V$
 $R_1 = 4\Omega$
 $R_2 = 7\Omega$
 $R_3 = 9\Omega$
 $R_4 = 6\Omega$
 $R_5 = 5\Omega$
 $R_6 = 3\Omega$
 $R_7 = 8\Omega$
 $R_8 = 7\Omega$
 $I_8 = ?$ con thovemin

3) $\bar{A} = 3 + j5$ $\bar{B} = 4 - j2$

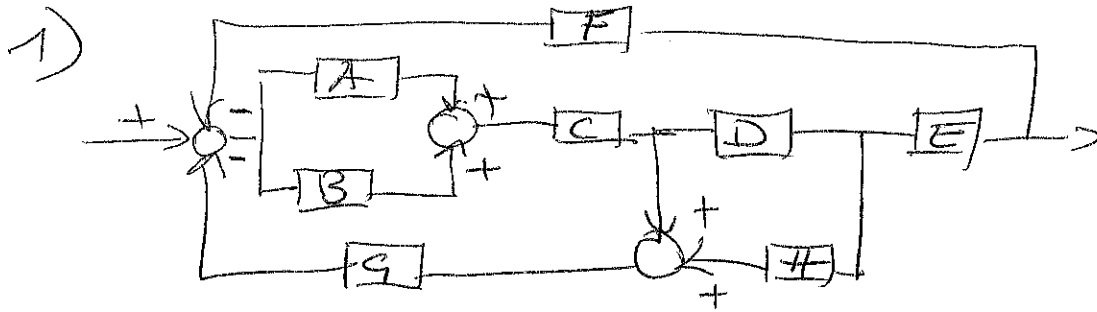
- fore : + - x ;
- possere in coordinate polari
- fore : x :



$R_1 = 4\Omega$ $X_1 = 5\Omega$
 $R_2 = 6\Omega$ $X_2 = 2\Omega$
 $R_3 = 3\Omega$ $X_3 = 7\Omega$
 $R_4 = 2\Omega$
 $\bar{V} = 100 + j100$ $\bar{I} = ?$ $\varphi = ?$



$C_1 = 7 \mu F$ $V = 100V$
 $C_2 = 10 \mu F$ $Q_T = ?$
 $C_3 = 8 \mu F$
 $C_4 = 4 \mu F$
 $C_5 = 6 \mu F$
 $Q_1 = ?$ $Q_2 = ?$ $Q_3 = ?$ $Q_4 = ?$ $C_5 = ?$
 $V_1 = ?$ $V_2 = ?$ $V_3 = ?$ $V_4 = ?$ $V_5 = ?$



2)

$$\begin{array}{r} 11011+ \\ 10101 = \\ \hline \end{array}$$

$$\begin{array}{r} 4312 + \\ 5637 = \\ \hline \end{array}$$

$$\begin{array}{r} 3A1B + \\ 78DD = \\ \hline \end{array}$$

$$\begin{array}{r} 1101 - \\ 1011 = \\ \hline \end{array}$$

$$\begin{array}{r} 7102 - \\ 4336 = \\ \hline \end{array}$$

$$\begin{array}{r} 4A0B - \\ 1C2F = \\ \hline \end{array}$$

$$(110111001)_2 = (\quad)_8 = (\quad)_{16}$$

$$(7426)_8 = (\quad)_2$$

$$(F69D)_{16} = (\quad)_2$$

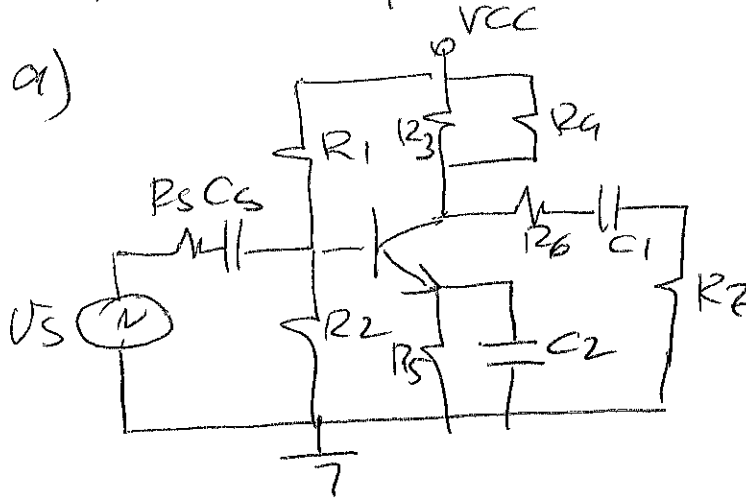
fare il complemento a 2: (1101100)

L'ELE
TPSE

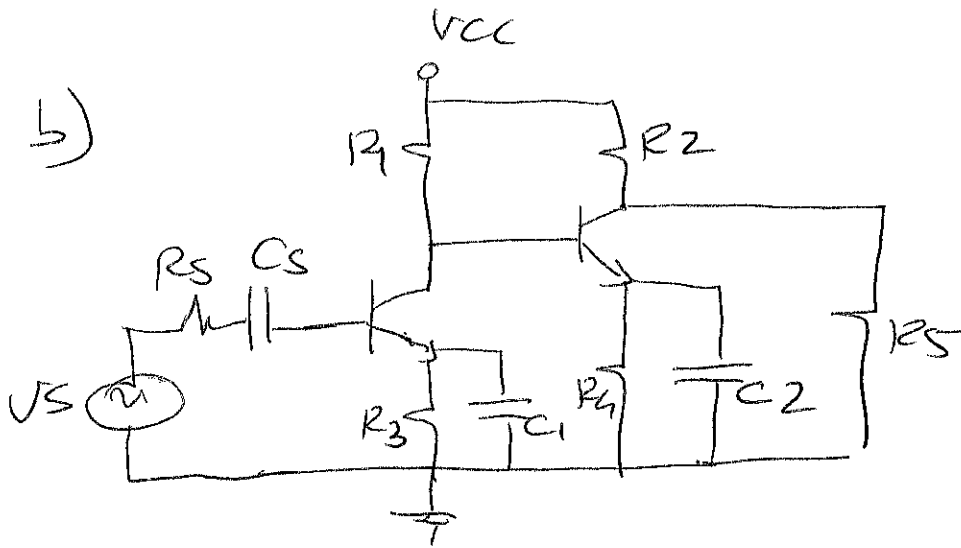
prof. CARIAM'

1) Sbroglione i seguenti circuiti'

a)



b)



4 ELE SISTEMI

prof. CARIANI

1) Diagramma di BODE (modulo e fase)

$$G(j\omega) = \frac{100(1+j\omega 10)(1+j\omega 10)^2}{j\omega(1+j\omega/100)(1+j\omega 1000)}$$

$$2) G(s) = \frac{10(1+3s)(1+6s)}{(1+2s)(1+4s)}$$

porre nella forma poli-zeri

$$3) G(s) = \frac{(10+s)(2+s)(4+s)}{(6+s)(5+s)}$$

porre nella forma costanti di tempo.

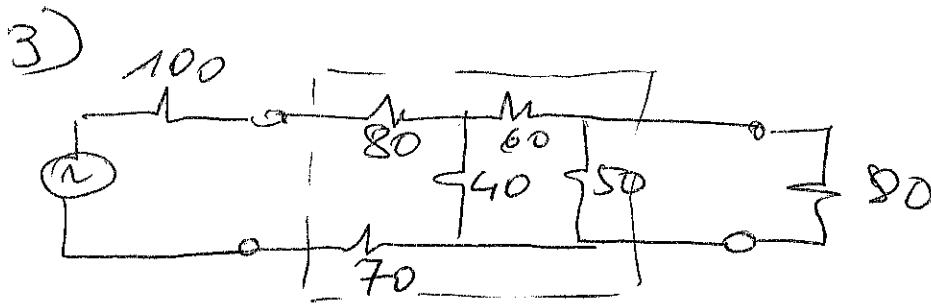
4) banco di memoria da 24 Kbyte
Si hanno chip di RAM da 8 Kx8
indirizzo iniziale 8000H

4 INF
TELECOM.

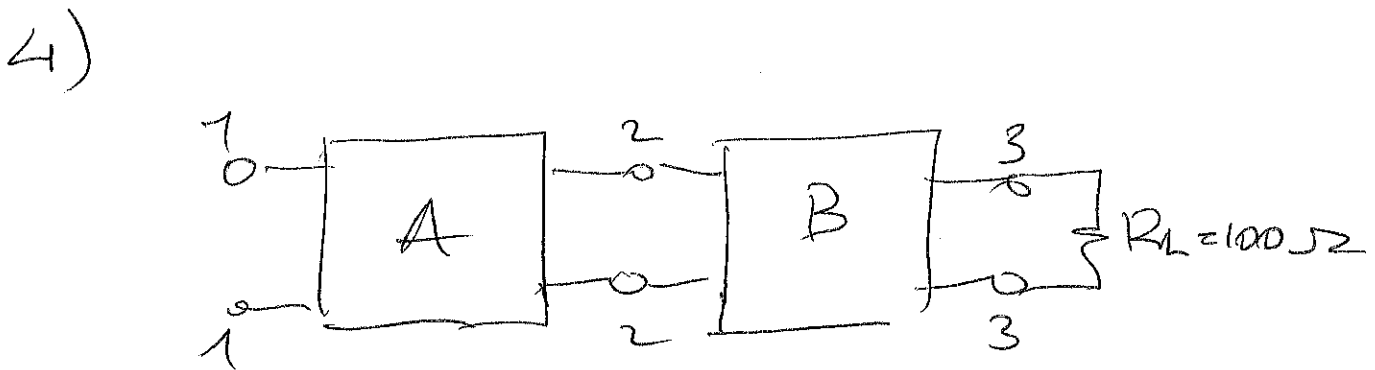
Prof. CARVALHO

1) $\varphi_L = 78^\circ$ $M_2 = 1,48$
 $\varphi_M = ?$

2) $\varphi_M = 18^\circ$ $M_4 = 1,52$ $\varphi_L = ?$
 $\Delta t_{MO} = ?$



$R_{ing} = ?$
 $R_u = ?$
 $R_{i1} = ?$
 $R_{u2} = ?$



$L_{V_2} = 6 \text{ dB}$

$P_3 = 10 \text{ mW}$

$G_A = 2$

$L_{P_3} = ?$

$L_{V_1} = ?$

$L_{V_{3-1}} = ?$

$L_{V_{3-2}} = ?$ $L_{V_{2-1}} = ?$