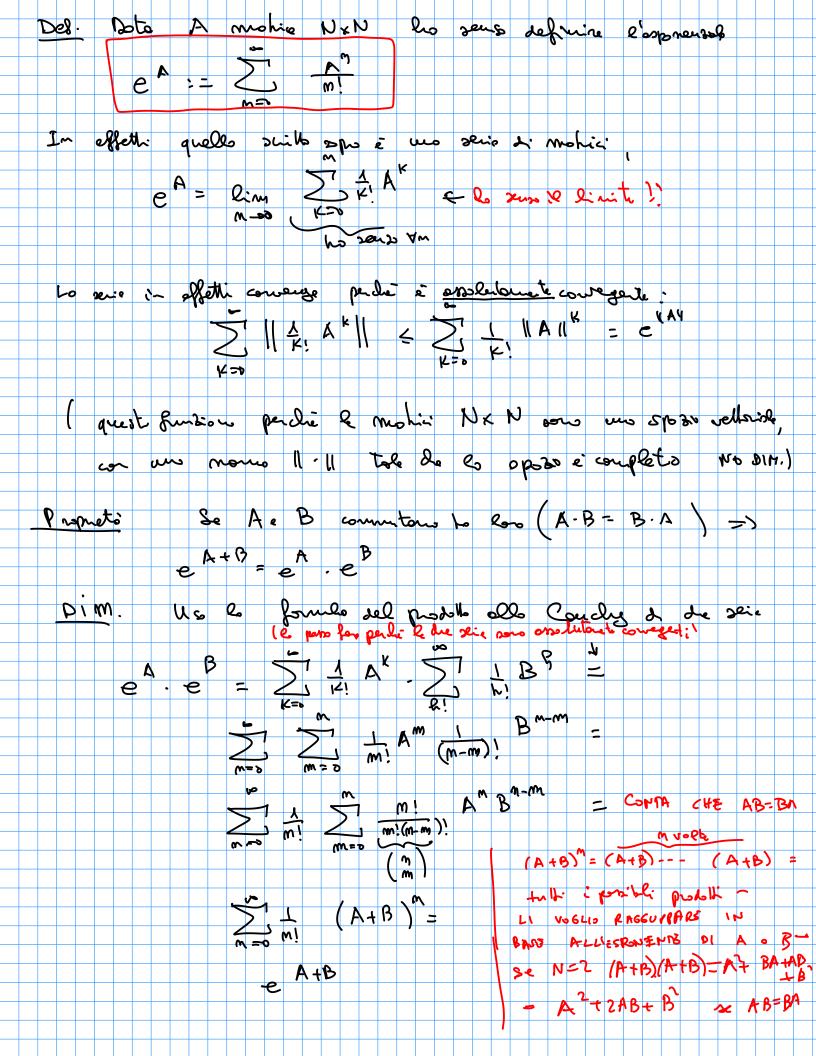
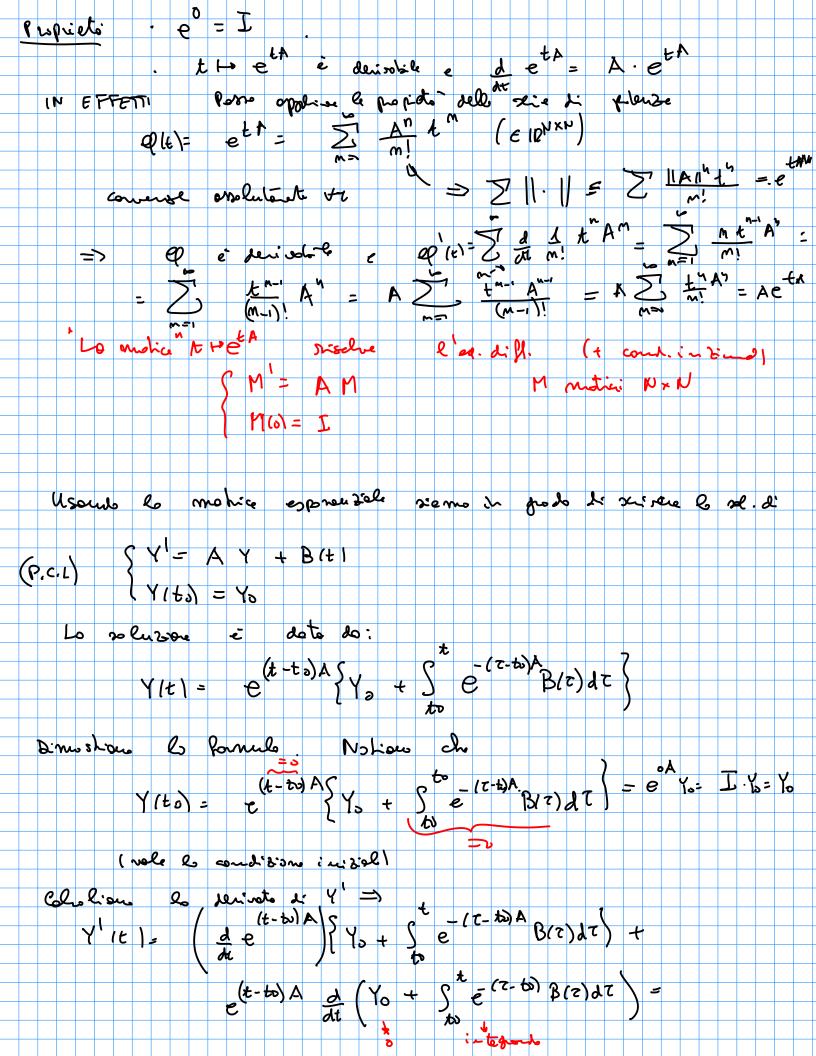
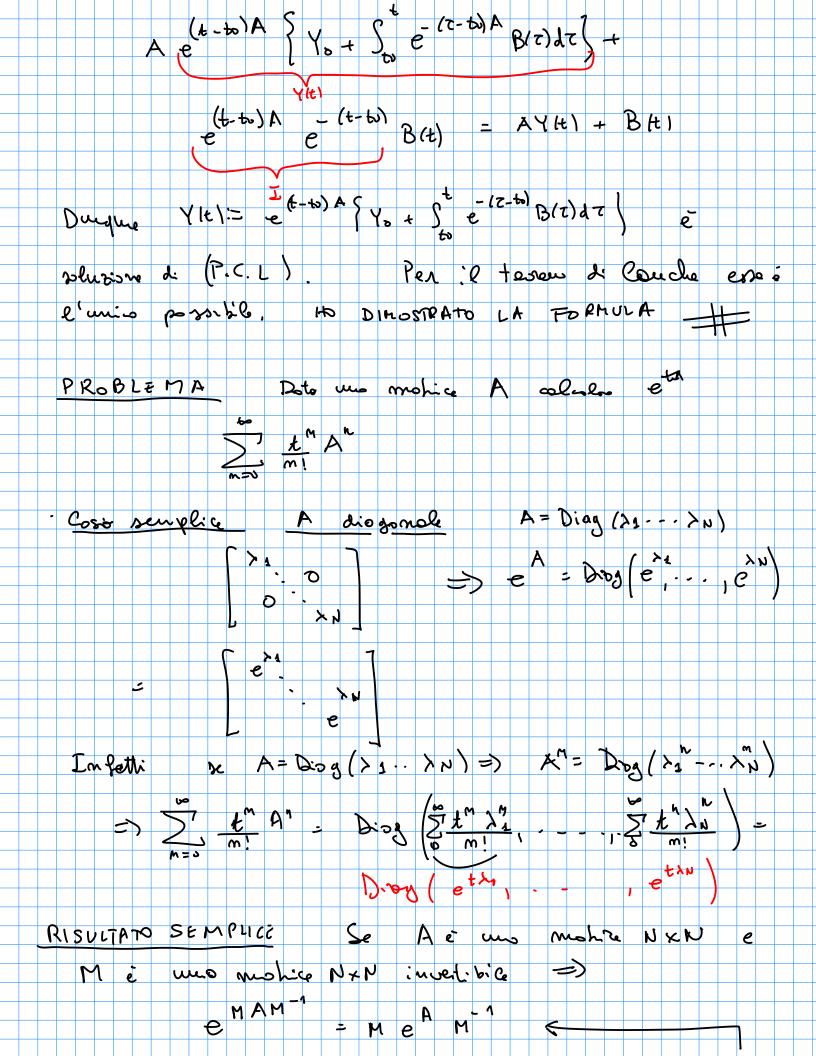
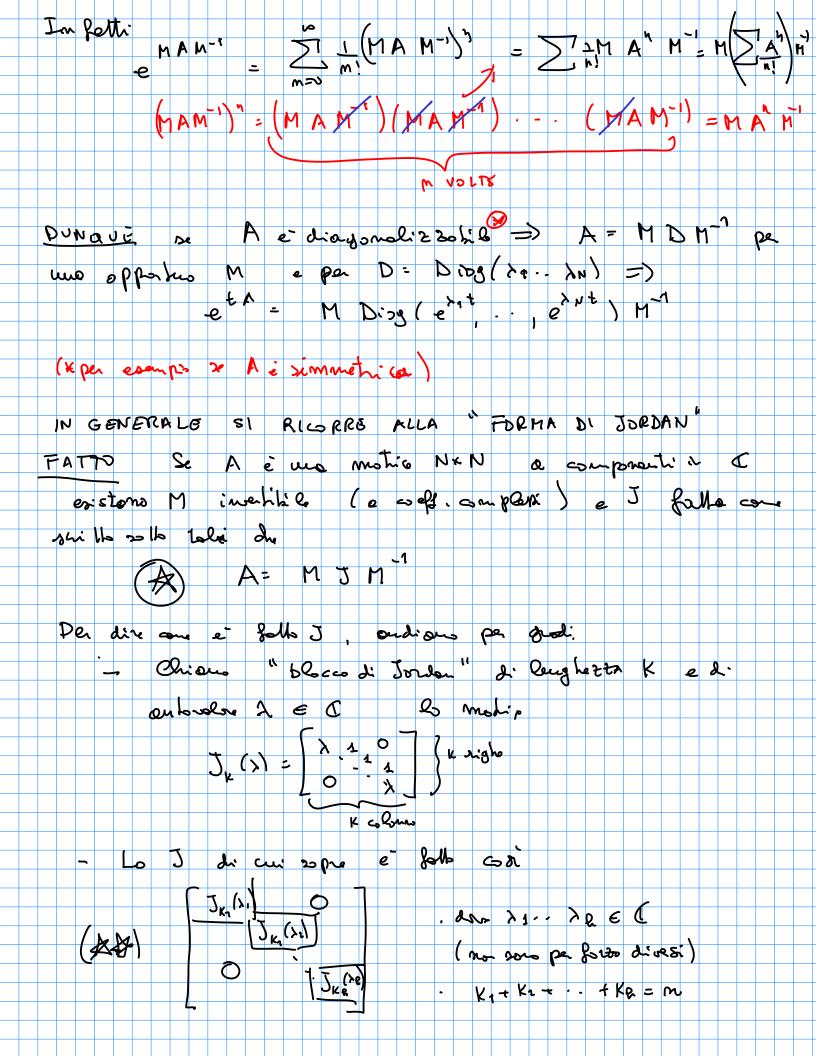
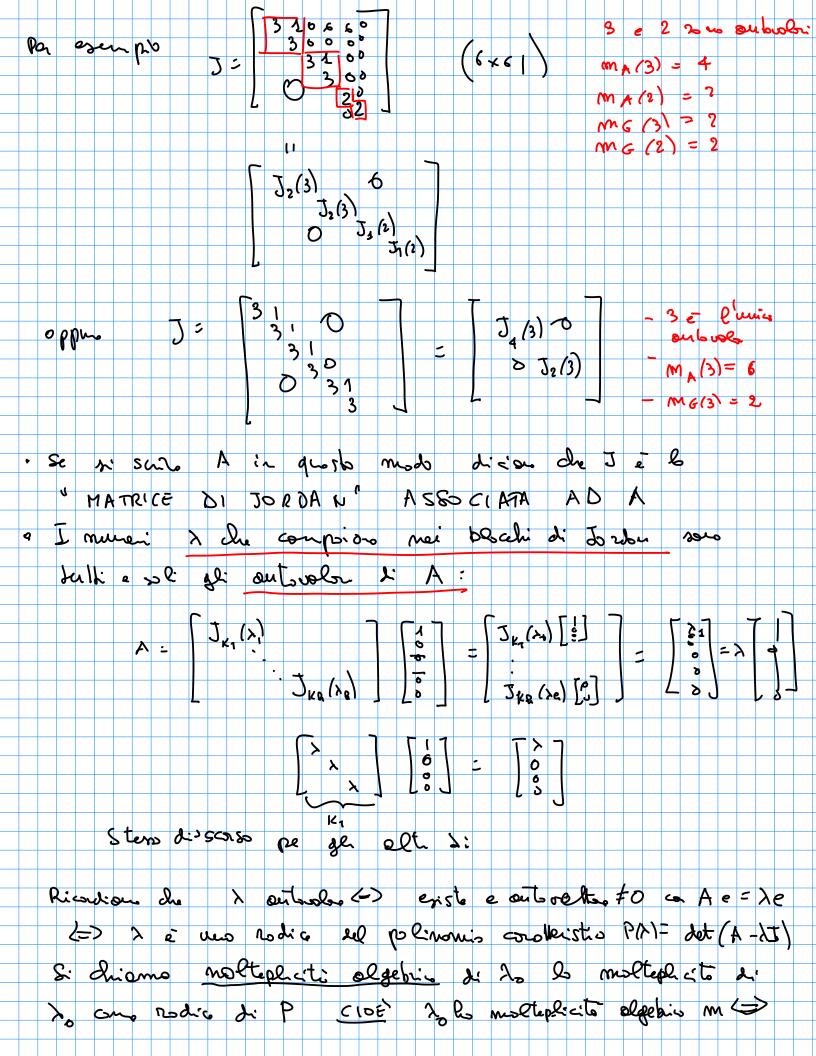
```
Claudio Saccon (*)
  Ingegneria Aerospaziale
  Lezioni di Analisi Matematica 2 e Complementi
  Lezione 65 12/05/2020
  (*) ricevimento il venerdì alle ore 15.00
  presso Dip. Matematica (edificio ex Albergo, secondo piano)
  email: claudio.sacconCHIOCCIOLAunipi.it
  web:
  https://people.unipi.it/claudio_saccon/lezioni-di-analisi-2-e-complenti-anno-2019-20/
EQ. (SISTEMI DI EQ.) DIFFERENZIALI
                                   LINEARI :
          Y = A (+) Y + B (+)
con A(t) a starte quint
(2.L) Y'= AY+ B(+)
 dove Re un malice NXV (che duque mon difered do t)
 mentre B: I > 12° à continus (I < 12 e un interallet
 entroles la : e cop omogene
(E.L.0) Y'= AY
Il so ourgue emetto un bor di soluzioni" Y1-- YN
Deludioni A (E.L.D) /: : IP -> 112" . MI PIACEREBE TOUVARS
in mal especti
ES PLICITA ME NTB
                                 Mi pioce bhe , realter aisolver
                Y = A Y
                                 YouRP aregud
```

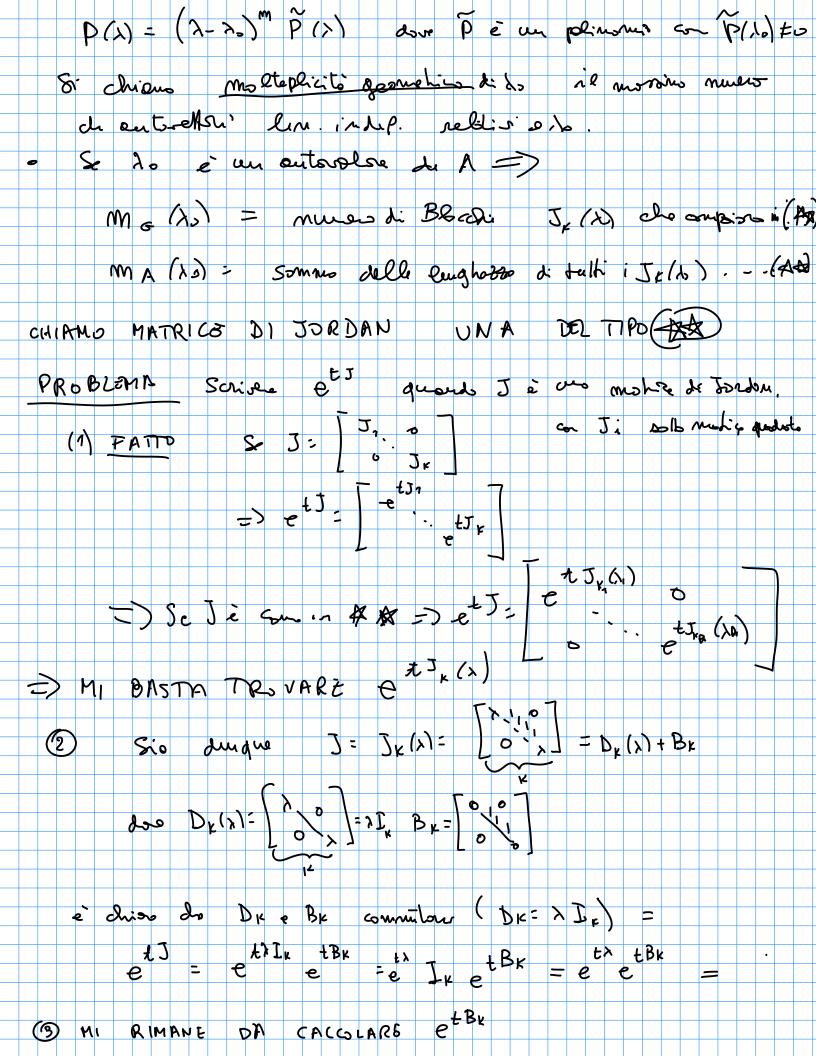


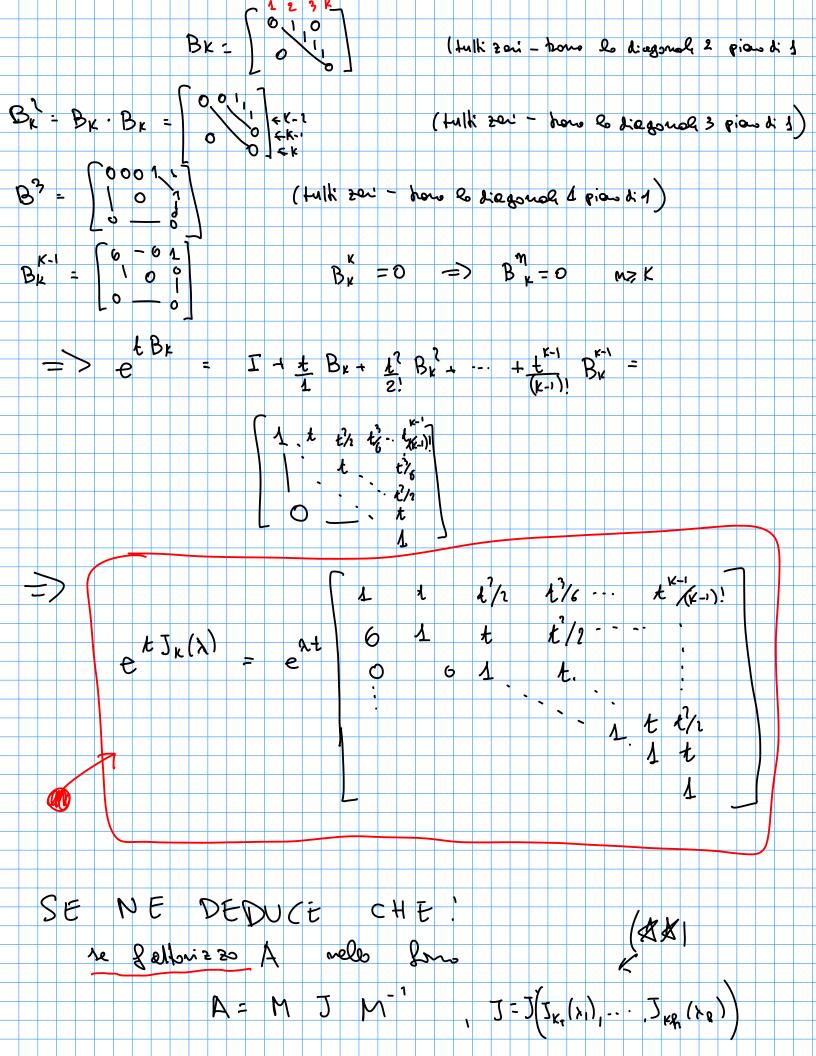


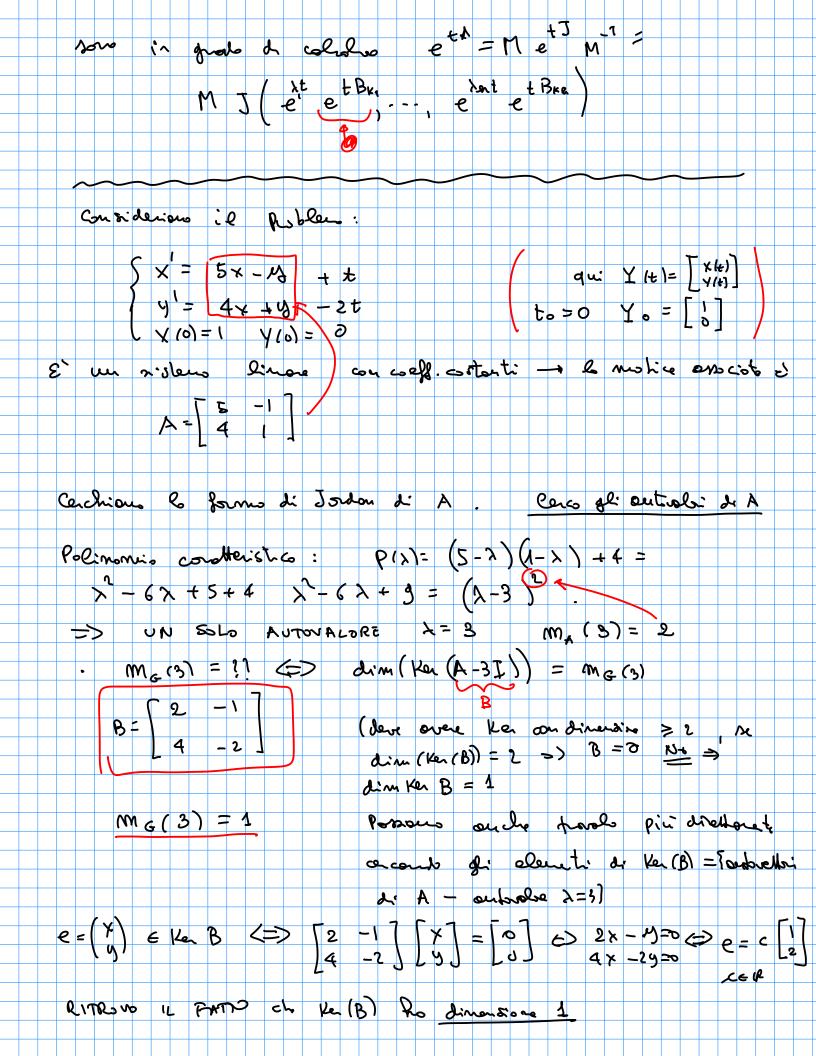


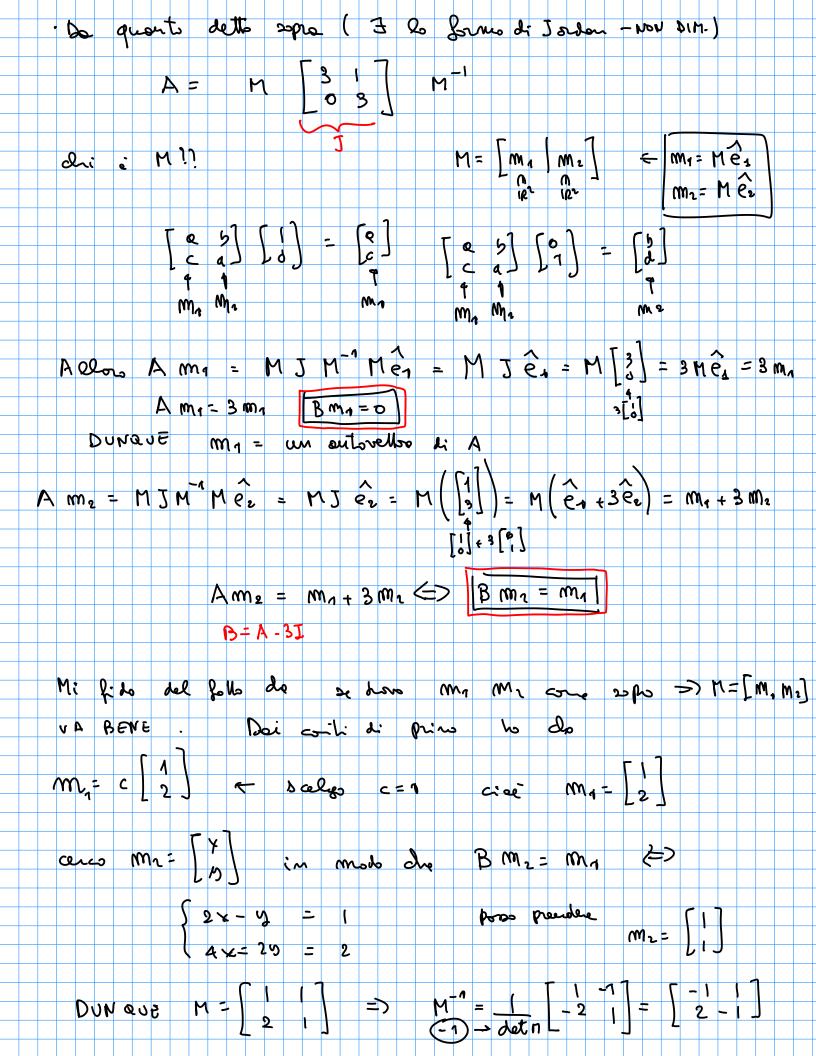












A close A =
$$\begin{bmatrix} 2 & 1 \\ 2 & 1 \end{bmatrix} \begin{bmatrix} 3 & 1 \\ 0 & 3 \end{bmatrix} \begin{bmatrix} -1 & 1 \\ 2 & -1 \end{bmatrix}$$

Come sometrice (eq. summans)

$$\begin{cases} x' = 5 \times - 9 \\ y'' = 4 \times + 19 \end{cases} \qquad \text{A.} \qquad Y(k) = \begin{pmatrix} x'(e) \\ Y'(e) \end{pmatrix} \qquad Y' = \begin{bmatrix} 1 \\ 1 \end{bmatrix}$$

$$Y(e) = e^{t} A \quad Y_0 = M \quad e^{t} M \quad Y_0 = \frac{3t}{1} \quad \text{A.} \quad \text{A.}$$