```
TO:
FROM: Ematir diferentiale - Seminar - 21.11.2017
  Algorita (carul valorilos
   Ly = Ax Ac (RM, IRM)
 1. Resolva &c. característica, let (A-NIn)=0=> [(A)=(N1,-, N 4) distincte
2. Daca ret(A) NIR conta une IRM (0 y a.f. (A-AIM) n=p. Juni, sol. (x (t)=e At. Ma

2. Jaca n=a+ipet(A) B2p conta une C" (20 y si (A-AIM) un 50

Surin solutible 4x (t) = Re(e At. Mx) (Pr(t) = Jon (e At. MA)
4. Rommeratoosa { /2 (·) In EV (A) = { P(·) , ..., Pu(·) y sistem fundamental de balution soire bal. generalar y(t) = 2 ci (i(t) , ci & 12, i=1, m
  la se obtumine solution generala: 1)
                                                                 = -7(1-7)2-1+2-(2(1-7)-1+7+7)=
     let (4- 113) = 0 (=)
 2-14-27-12 + 1- (2-2) -1+ 81 = -178/2 + 1-1/2 -2 -13+212+1-2
   = -43+545+4-5 = -45(1-1)+y(1-1)+5(1-1)=
 = (y-1)(-y_5+y+5)=0
A = 1 = 3 be contain a = ?a.7(A - I_3) = 0
\begin{cases} 0 & -1 & 1 \\ 0 & -1 \\ 2 & -1 & 1 \end{cases} \begin{pmatrix} a \\ b \\ c \end{pmatrix} = \begin{pmatrix} 0 \\ 0 \\ 0 \end{pmatrix} = 3
                           , (A - ) Iz ) n=0 =>
                                => 5=0
Q=C => h=(0) -> ga( p=(t) = 0
  1=1, 4=( 0) a.7. (A+I3) 4=0
```

$$\begin{aligned} & = \sum_{c = 0}^{c} \sum_{k =$$

TO:

3

$$\begin{aligned}
4 & | \begin{cases} x^{1} - 2x + y \\ & = 1 \end{aligned} = \begin{cases} x^{1} - x^{2} + y \\ & = 1 \end{aligned} = \begin{cases} x^{2} - x^{2} + y \\ & = 1 \end{aligned} = \begin{cases} x^{2} - x^{2} + y \\ & = 1 \end{aligned} = \begin{cases} x^{2} - x^{2} + y \\ & = 1 \end{cases} = \begin{cases} x^{2} - x^{2} + y \\$$

11=11-4X