```
OT 13.05.2020 (1.3.15, 1.3.16)
                opourience in kokene king
     A = \begin{pmatrix} 1 & 2 & -1 & 0 \\ 3 & -1 & -2 & 2 \\ 2 & 3 & -1 & 0 \end{pmatrix} \stackrel{\text{II}}{=} -3\stackrel{\text{I}}{=} 2 \begin{pmatrix} 0 & -7 & 1 & 2 \\ 0 & -7 & 1 & 2 \\ 0 & -1 & 1 & 0 \end{pmatrix} \stackrel{\text{II}}{=} -1 \stackrel{\text{II}}{=} -2\stackrel{\text{II}}{=} 2 \begin{pmatrix} 0 & -7 & 1 & 2 \\ 0 & -7 & 1 & 2 \\ 0 & -3 & 1 & 1 \end{pmatrix} \stackrel{\text{II}}{=} -1 \stackrel{\text{II}}{=} -2\stackrel{\text{II}}{=} 2 \begin{pmatrix} 0 & -7 & 1 & 2 \\ 0 & -7 & 1 & 2 \\ 0 & -3 & 1 & 1 \end{pmatrix} \stackrel{\text{II}}{=} -1 \stackrel{\text{II}}{=} -2 \stackrel{\text{
     (01-10
00-62
2) Eau 31-2 =0, TO IV CTOMET My-
i) 31-2 20 2) 31-1 20
                                                                                                                                  Mycelois > r(A) z4.
                                                                                                 1 7 2 3
                                                                                                                                                                                                                                 ngra 1 = = , MA) = 4
                                                              018et: rym l= = 3, N(A)=3
    1.3.16
   A = \begin{pmatrix} 1 & \lambda & -1 & 2 \\ 2 & -1 & \Lambda & 5 \end{pmatrix} \underbrace{\Pi - 2\Pi}_{1} = 2 \begin{pmatrix} 1 & \Lambda & -1 & 2 \\ 0 & -1 - 2\Lambda & \Lambda + 2 & 1 \\ 0 & 10 - \Lambda & -5 & -1 \end{pmatrix} \underbrace{\Pi \circ (-1 - 2\Lambda)^{2} - \underline{\Pi}(10 - \Lambda)}_{1}
          a3, 20. (-1-211) -0. (10-1) =0
         QZL = (10-1) (-1-21) - (-1-21) (10-1) >0
          A33 = -5 (-1-21)-(1+2) (10-1) = 5+101-(101+20-1-21)=
    2 5+60/ -10/ -20+1+2/ 2 1+6/-15=(1+5)/1-31
      a34 = 7(-1-21) -1. (10-1) = 1+21-10+1 = 31-9=3(1-5)
        gea a 33: d + 2/1 - 15 20
        d1 + l2 = -2 / => l, = -5, l2 => l+(l -15 = (1+5)(1-3)
27 ((3+5)(3-3) 20

2) Eca 1 # 3 Syges 3 mgue-

27 (13+5)(3-3) 20

2) Eca 1 # 3 Syges 3 mgue-

8 L 23 Open 1 = 3 N(A) 22 Buse corpoun
                                                                                                                                                                                                                                                          => P(A) = 3
                                                                                                           ers P(A) 73
```