18.00-2022 File operatoral f: Ri-1 12 of fiver prim! a) Lot of reference washing a sociate aperatornoming in both a cant mich - H. s) sa re defenueur politionimel calacteriste al walto'est A
c) sa ac referment na lot le prefin est metalis plafin
ai apertabului f as a selectabulus of distanti ce mathicea A a aperatariller it esse diagant ata trite n' sa re detelume farma ra e) La re calcular An. fet s. n. nevar prophin al approposition limiter f un never VEV care indeplineste dans condition: 100 v +0, t: V >V (O) f(v) = ). V prajois a sucio se picto husui v. ナ:123-1123 、ナ(い)ニトレ ; V=(×1,×2,×3) +(N) = +(R1, R2, R3) = A. (R1) = (5-3 2) (21) (R2) = (6-44) (R2) (4-45) (R2)  $= |P_{A}(\lambda)| = det(A - \lambda I_{3}) = |S - \lambda - 3| 2 |C_{1} = C_{1} + C_{2}$   $= |2 - \lambda - 3| 2 |C_{1} = |C_{2} - \lambda| = |C_{1} = |C_{2} - \lambda| = |C_{1} = |C_{2} = |$ = (2- H. + 1) -1- / 2 | -(2- H. 1. (-1), | -1- / 2 | = (2- H. 1. (-1), | -1- / 5- / = = (2- >) [(>+1)(>-5)+0] = (2-7).(x2-4)+3) =

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Volatele paper = respectivele polinaum lon caracteriste Hierar hot water should died we care awarde weeker plessoi limar independenti. Vectoria plagin must interfere n' gene ister': (A-1/3). ( ) = ( ) , pt file early rataone propher. To Jerokan Lie 1 = 1 = 1 (x) | p) = storeun aungen din

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(h -8 4) ( ranget = 2 = kning A = 1 mind. compatible At resolvance ne prefere metada Gairs. ~ ( ) knest = hang A = 2 ; Nee. Ph: X1 N X2; Nec Alix= } 5×1 -43 = 8 = 1 | X1 = 2 B | BER | V2= (2) | V= 

13 ×1 -3×2 =0/23 XI = XI = XI = XI Xz =d 3 Dentin 1=3

(2 -3 2 0) 12 (2 -3 2 0) 12 (2 -4 0) 12 (2 -4 0) 12 (2 -2 1) 0) 12 (2 -2 1) 0 (2 1) -1 0 (2 1) 12 = 14 A=14 = 2; Mp: X1, K2; M.S. = X3 V3=(2). 2 1 1/3=(2) Cer frei nectora prepris met limber in all pearleuli Cerespiend en valor proepris difemiles, lon tarmes so a bata in p3. In report en accasse bata unatincea apelatorului f ale falura l'aganale matricea apelatorului f ale falura l'aganale T=  $(r_1, r_2, r_3) = \begin{pmatrix} 1 & 1 & 1 \\ 2 & 1 & 2 \end{pmatrix} = \frac{1}{2} + \frac{1}{$ matricea A ni matrice chago polonthe muthe B= T'. A.T; B= (000) Mala, Bed:

It salcularly runnifer washinger T application fort witheda (T, B) = (Is, T) = (0 -1 0 -1 1 -1 0 ) ~ (1 0 0 -1 -1 1 -1 ) ~ (2 0 0 -1 -1 1 -1 ) ~ (2 0 0 -1 -1 1 -1 ) ~ (3 0 0 -1 -1 1 -1 ) ~ (4 -1) 2 (20) -22 -1 2 0 1 2 -1 1 1 1 7-1  $7.77 = \begin{pmatrix} 1 & 1 & 1 \\ 2 & 1 & 2 \end{pmatrix} \cdot \begin{pmatrix} 2 & 2 & -1 \\ 2 & -1 & 0 \end{pmatrix} = \begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \end{pmatrix} = \frac{1}{3}$ Coefairer  $B = T^{-1}$ ,  $A \cdot T = \begin{pmatrix} -2 & 2 & -1 \\ 2 & -1 & 0 \end{pmatrix} \cdot \begin{pmatrix} 5 & -3 & 2 \\ 6 & -9 & 4 \end{pmatrix} \cdot \begin{pmatrix} 1 & 1 & 2 \\ 2 & 1 & 2 \end{pmatrix} = \begin{pmatrix} 2 & 2 & 1 \\ 4 & 1 & 2 \end{pmatrix} = \begin{pmatrix}$  $= \begin{pmatrix} -2 & 4 & -1 \\ 4 & -2 & 0 \\ 3 & -3 & 3 \end{pmatrix} \cdot \begin{pmatrix} 1 & 1 & 1 \\ 2 & 1 & 2 \\ 1 & 0 & 2 \end{pmatrix} = \begin{pmatrix} 1 & 0 & 0 \\ 0 & 2 & 0 \\ 0 & 0 & 3 \end{pmatrix} = \begin{pmatrix} 2 & 0 & 0 \\ 0 & 0 & 2 \\ 0 & 0 & 2 \end{pmatrix}$ @ si re calculate Ar B=T1. A. T in numethon la staloga en Toi la dreappe en T1 T. B. T = T. (T-1+T): T-1 = (T. T). (A. T. T-1-1-1. A. J. + A=T.B.T.1 = A=(T.B.T)(T.B.T)=T.K/TH.K.T = T A=T.B.T.1 = T.B.T.1 = T. K/TH.K.T Availag, pain inductive = An=T.B.T.1 (4) B= (020) => B= (1 0 0 0)

 $7.8^{2}.7^{-1} = \begin{pmatrix} 1 & 1 & 1 \\ 2 & 1 & 2 \\ 1 & 0 & 0 \end{pmatrix} \cdot \begin{pmatrix} -2 & 2 & -1 \\ 2 & -1 & 0 \\ 1 & -1 & 1 \end{pmatrix}$ obs data mathica it are a valual plophia duste, algebrea a valati plagti to Le surveste ardinne de nur liption Laste gewondthe a radiai prepion à, dimensinarea unhispatintes plashin cares puntatar natari plashi i Mothera A, intr-o and fil de nitrable ense diagonalizative dack ardinal de multiplia: tete abjelance en re egal en ardlimet de untiplicatale geametrica. Jaca lori à si nous cours pour de son vertois propri liver independent => A este diago valisable.