Nexusia Nº 12 18.12.2026 Собствени стойности и собствени вектору на лимеет оператор Инвариантии иодир-ва Харонетериопитем исти и х. корени Hera A& M. (F) 4 ga edpasybane Cnefsiara geocpumarera!  $f_{A}(\infty) := \begin{vmatrix} \alpha_{11} - \alpha_{12} & \alpha_{12} - \alpha_{1n} \\ \alpha_{21} & \alpha_{2i} - x - \alpha_{2n} \\ \overline{\alpha_{1n}} & \overline{\alpha_{1n}} - \overline{\alpha_{1n}} \times \end{vmatrix} = det(A-2e\xi)$  $= (-1)^{n} X^{n} + (-1)^{n-1} \left( \underbrace{a_{ij} + \alpha_{je} + \alpha_{mn}}_{trA} \right) X^{m} + A$   $= (-1)^{n} X^{n} + (-1)^{m-1} \left( \underbrace{a_{ij} + \alpha_{je} + \alpha_{mn}}_{trA} \right) X^{m} + A$   $= (-1)^{n} X^{n} + (-1)^{m-1} \left( \underbrace{a_{ij} + \alpha_{je} + \alpha_{mn}}_{trA} \right) X^{m} + A$   $= (-1)^{n} X^{n} + (-1)^{m-1} \left( \underbrace{a_{ij} + \alpha_{je} + \alpha_{mn}}_{trA} \right) X^{m} + A$   $= (-1)^{n} X^{n} + (-1)^{m-1} \left( \underbrace{a_{ij} + \alpha_{je} + \alpha_{mn}}_{trA} \right) X^{m} + A$   $= (-1)^{n} X^{n} + (-1)^{m-1} \left( \underbrace{a_{ij} + \alpha_{je} + \alpha_{mn}}_{trA} \right) X^{m} + A$   $= (-1)^{n} X^{n} + (-1)^{m-1} \left( \underbrace{a_{ij} + \alpha_{je} + \alpha_{mn}}_{trA} \right) X^{m} + A$   $= (-1)^{n} X^{n} + (-1)^{m-1} \left( \underbrace{a_{ij} + \alpha_{je} + \alpha_{mn}}_{trA} \right) X^{m} + A$   $= (-1)^{n} X^{n} + (-1)^{m-1} \left( \underbrace{a_{ij} + \alpha_{je} + \alpha_{mn}}_{trA} \right) X^{m} + A$ Dep. Non. fa (x) naspurane xapana warm na M. A u varabuse xapana казычана хар. корега на к. А.

Cn: Axo He yournesse Margruyer po enouse no malney is great, T. e ass, 8=60 ca newwee xoup kop Dbo:  $f_{A}(x) = \begin{vmatrix} \alpha_{M} - x \\ 0 \end{vmatrix} = (\alpha_{M} - x) - (\alpha_{M} - x)$   $a_{M} \times \begin{vmatrix} z \\ z \end{vmatrix} = (\alpha_{M} - x) - (\alpha_{M} - x)$   $a_{M} \times \begin{vmatrix} z \\ z \end{vmatrix} = (\alpha_{M} - x) - (\alpha_{M} - x)$   $- (x \cdot \alpha_{M})$ The Mogent must marginger much equal upon sop works the arm ANB, To  $f_{B}(\infty) = f_{A}(\infty)$ . Dog ANB, Jod TEM(F): B=TAT  $f_{B}(x) = det(B-xeE) = det(T^{1}AT-xeT^{1}ET) =$ =  $det(t^{-1}(A-xE)T) = deft^{-1}def(A-xE).def$  $= \frac{\text{deft''deft'}}{\text{deft''t'}} \cdot \frac{\text{def}(A-\cot)}{\text{f}_A(\infty)} = \int_{\mathcal{A}} (\infty) = \int_{\mathcal{A}} (\infty)$   $= \frac{1}{1} \int_{\mathcal{A}} (\infty) = \int_{\mathcal{A}} (\infty) = \int_{\mathcal{A}} (\infty)$   $= \frac{1}{1} \int_{\mathcal{A}} (\infty) = \int_{\mathcal{A}} (\infty$ 

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Kashaute age, re to con 26F, sorologe c. by WGV. H. Aro 26Fec coro Ka 46 Kom V, TO Marboro et codor byon > 26F name
Marboro et codor byon > 26F name
Myrebrut o l'usemplo ra V, Tre, Ug = {WEV/4(N)=2N, 20 3 = V Doos Yu, wells u + 40 GF uella &> u +0, y(u)= 2u wella &> w +0, y(w)= 2w Lutjon E? Uz, Lutjon +10 3 (Lu+pw)= 28 (u)+fx9(w)=2(24)+ + fr(aw) = A ( Luther) => Lutherelly unsup = Us & V.

This Hexa V e n- nepro n. upbo u sekani. Torala Xap kap ka & , korao ca en ry of Fu como re ca cosos. Coron ma S. Sho! Hexa AGF e coses co y may 500 W+O, Y(W)=ZW U repa l={los,"e Same na V u 9 => AGM4 (F). Torraba 9(w) = AW = AW (A-AE)W=.0 Torolla XCAY

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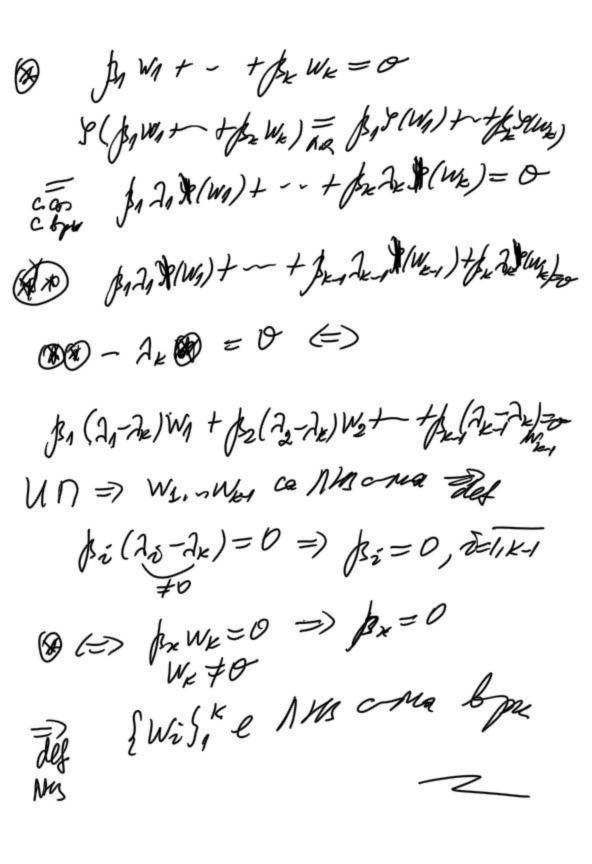
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3a5: a) Aro Ve n'uples ray z'une C U & G Hom V, TO Y (The mades amoles) 6) Apo n-repriso n. riples V e reg R to 3 e Nom V more " fa roma a coron The Kera Ve nypho rag F 4 yorkan u nema 21, -12 6 F', 20 #2, 154j U 21 22 - 2k C.cory. Tonaba creara Ewis, \* e Mischia Ga. Dos: ungyrang no ofpes na beproc E. K=1 21 +> W1 +O => W1 e 1/1/ Un of 6x => { Wish ecke Mische 3ak Bows +- + Dr. W. = O u resse Sa gencolane a 9 ma oda poo



Th (30 1. oup c upoco cnewsp); Areo Ve novepus a uplo 4 y 6 Hour V) Koroso una voco meroso (2,00 2, ca gle us gle passurau a coron ras) to totaba I dayre or codes legas Mar V, 6 KOGTO MATO MA S e guesso Hansea of longia 多三(21/20) 1 記する。 の 24) Dbos. V, e={eis, e S. na V, y eMoral y + A ! def (A-xt)=(1)"(x-1)(x-3)\_ ~ (x-2n), 2i +2, 5+1, 2i EF Ai (>) Wi +O, c. by na 5 u or upegnoor obne => {Wis," e NIKoma of Ewish" e danc ma

g(Wi)= li Wi + Wi + o 4  $\mathcal{G} = \begin{pmatrix} \lambda_1 & \lambda_2 & \lambda_3 \\ \lambda_1 & \lambda_2 & \lambda_3 \\ \lambda_1 & \lambda_2 & \lambda_3 \end{pmatrix}$ Torales Karbaing Il 3a oup & & Nout 6 um ruple V e upoco cueros, F Dayc or c byon, b vorbor y ce grasora rusiga, Te S & D. Cost Aro A & MilF) was in rea Sport Sha us sha parriomy xap roperus, TO A ce guarona mongo, The A = 96 Hour V na nepro n. 4 Same C By W= {Will! Y & & A&Y SA.

4-Unbapuarous usupla Hera V e n'uplas may 2 mone F 4 USV, Ge HowV. Sep: Kashawa u nogupla U e У-инвариать (инварпать, отность ampas), and twell => s(w) &U. 3ddi. Axo U e 9-unchap nassag to мажем за разпердане отражиеть pay bly U, re 9/u: {U > U w > 8/a(w)=8(w). Monnejon: 1) {0} n V ca 4-magazorasona 2) Im & u Kers ca 4-usedospronous (C.p.)

3) JEHOMV U JEF C. Con May J u U2 = { weV / s(w)= Aw, 19} е У-инвариномо иземово на У. WG U2 => S(W) = 2W & U2, oe 9 getroba karo nensocory & Uz, 4) gellour V u 26F => c. By U=l(W) e 1-repro S-ustoap usono Vogreptio 300 Aro 4 & Hom V u y uprocessaba C. Co - 1 C. F. To Wynoesoola Aneprovingerpocoposisto Te 200 W #0 4 U = V, regers  $U=\ell(w)$ .

Uslag Axo Ve xpn a. uplo rag Works & 10 V uproexaba Grade 1-neprio vogriples U=l(w), kggso W + O e C. by E> C coro 260. (The Danaudep) Thi: Areo Ve kp.M. N. upolar reg ususo IR, to Vignoexaba 1-nepro un Enepro genalis 860. V, e= Sas," e dague no V 4 y eNan V 13a Kortoso y & AGHATR) Tik. VER 100 C TOUROGE SO MENOS Justin mapen la parmegance Vero usy mobo na (", 6 x0000 == (1,0,00), ez=184~0, -1, lu=(8~1) e degre sa

La pagenegous F & Han C"; 写(w)=5(w), #weV,, 9/2=9 JeAugupuoenaba e cors  $\iff$  c,  $f_{n}$   $1 \in \mathcal{C}$   $1 \in \mathcal{C}$   $1 + \delta f_{n}$   $1 + \delta f_{n}$   $1 + \delta f_{n}$   $2 + \delta f_{n}$   $2 + \delta f_{n}$   $3 + \delta f_{n}$ Toraba unaul: 写(c)=2c=(d+が)(a+がら)=  $=(\lambda a-\beta b)+\tilde{\epsilon}(\lambda b+\beta a)$  $g(c) = g(\alpha + ib) = g(\alpha) + \delta g(b) =$ =9(a)+i3(b)8(a) = La - 16 => U=l(a6) 9(b) = 26 tha esupto is Vis dan V = 2 =) V mono ex aba 1- mepeo

ANTOPATION 39 MORRINGE LEG CI Byr V C. COTY MASERAN Safe Dosen e Schan V & 3 neppro Nas Towne & N. uplo V. Howepere C. byr U C. COON Kar S? Pers. 1) SGHan V = Ag = A

2) C. CT.M. a) for (20) = 0 = det (A-208)4

CL KAUMPAK X. KOPENU Immin (dpeny

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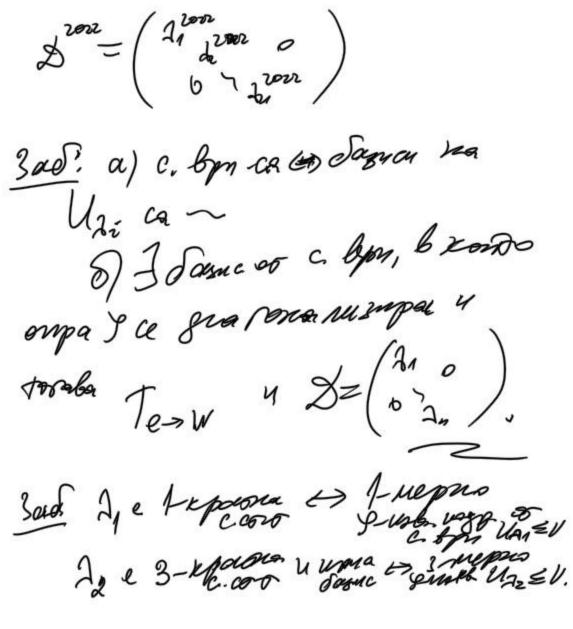
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M to {q,..,q, G', ~, G')} e Mena 4) and F Sague of C By, 00

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