Masmys initrovo reperbopenso -Myungerneco A - ein, nepert, cainr. her, up. V mog n. f. ax, oz, -, on - govern give - Sozue up. V. Togi bensom flow, flow, of lan ininno begannorous regg Lague = Alad= +11 01 + Lzoz+ -- + dun an, Alai): Lizai+dzz Ozt- +dnzan A Con) = Linoi + Linoz + - + din an Culoquo eeoguyo A, quo rez. not prises iin neperboyend A l'Esqui obor on vouver runon; Az ( d11 d12 - d1n )

d21 d22 - d2n 

du1 dn2 - dnn ) De voro, upo bunucara matjugo in repeat, l'organi a, oz., ay: 1) znovoguero oб jozu богиских веа горів Alas), Alas), ..., Alan) TOOR ix Koopprender & Soquei of, az--, an; 2) zi noopgenson bunnegen b crokmenn entgryi: в 1-ий совити - подважени оброзу периого богиского венгора, b 2 mi crobneur - noopsgarealen objorg 2-ro boncross hearopen, Buchuloza cearpny ein negerbopens 1) Miriari nepeal. It i B cuinr. ball. bell. up. V pibri @ (=) le generalez bozni i er bignobigneore ognanobi leopny 2) Heron V- cairer. hun. ben. up. reag notele F, 02,02 m on - general Sozer V, C=(dij)i, i=1, n - generalle. leap. 3 eleverbour 3 nov F. Tog ]! in repebl. It bear up. V, succey & Sazuci as, Oz-, On bignoligas ecosymy C. Boylo. Mprayanero V-cuiror. bru. np. 100 novem F oc, 02-, on - gelseum Jozus V. Moznoviero G - emonero fast initioned regard. up. V, T- reseasement bird ub. ceaso. nopaguy o z elementarum & F. Tagi nyu goine. Sozni 04,02.,00 mon unonumoum & i T icrege beaceuro oguernour fiquoligicob. 3) Heavin on oz-san - Sozul Bearup. V reag novem F

3) Head on oz-san - ozen A: V - V - in repeat , quoley & your source big notique ecosp.  $A = \begin{pmatrix} d_{11}d_{12} - d_{1n} \\ d_{21}d_{22} - d_{2n} \\ d_{n1}d_{n2} - d_{nn} \end{pmatrix}$ Apraganco, benegn oc, oz., on i flos), flor),.., flor) zoosi noopganoven b goverey incuolly signi le Ce. - En njockoju V, Todoo A (as) = 1 tm, tr, --, tm), or= ( has, hz1, ~, has), A(de) = (trz, tzz. --, tuz) az= (hz, hz=, hnz), A (on) = (tru, tzn, --, tru). ani (dun den, ... dun)) B= ( 1/2 1/22 - 1/24 ) = ( ) Curageur ecapris C = ( \frac{\delta\_{11}}{\delta\_{21}} \frac{\delta\_{22}}{\delta\_{21}} \frac{\delta\_{22}}{\delta\_{22}} \frac{\delta\_{2n}}{\delta\_{nn}} \right) = ( \frac{\delta\_{(01)}}{\delta\_{nn}} \frac{\delta\_{(02)}}{\delta\_{nn}} \frac{\delta\_{(02)}}{\delta\_{(02)}} \frac{\delta\_{(02)}}{\delt Toy C=B.A. Optororeoleni onepodopu na npación Heavi V<sup>1</sup>-elwigib uportip possipreseti 1. Torgello Hozubutu ivoro represe. L<sub>1</sub> - Sozuc recei Bentop V<sup>1</sup>, £-oporonolenici onepotop na V<sup>1</sup>. Tousi files) = Les gu germon LGIP. Ocailleun opporonalenem onepotop zolginat gobneurly Censopil, no |e\_1|=|f(e\_1)|=|2e\_1|= \(\sigma(2e\_1,2e\_1) = \sigma(2(e\_1,e\_1) = 1) = 121 /(exeb) = 12/1ex/.  $\lambda = \pm 1$ . Tour mon, 12/=1, Pograneur 2 Banoguer: 1) L=1 => f(ls)=er Depend \* & VI. Togi \* = Bl1 go genoro & GR. A(x) = A(sex) = & A(ex) = & ex = x => A - volozurin onepolop.

2) 2=-1 => f(lex)=-ex ight x= BeLEVI; Alx) = Bflex) = - Bex = -x fled-ero er Toure reviou, oneparop It gib que grepustère ligospuscuered nplient liquoino O-lensoque Mourro zyohuru bucuolok: no speliño I ence 2 optoronollni uneposopu: 1- vosomini 2 - grepnotere hypotrameror njælet bignocare O - beatyra. Орбогоновені оперовори по пеощині Heran V2 - Char. np. pozenipnovi 2. To ggeles nozubobu moro neorganoso les ez - optonopleoborna dozac, At-optonomolbum onepatop no V2 Ryunganus le Sezaci ex, ez onegology & Viguel. everp. A = (a d). Oca. onep. optoracourerea => det  $A = \pm 1$ . Pozioneno 2 buroguen: 1) det A = -1. | a & | = ad - & = -1. Bunnuello Lap. encororett onep. A:  $X(t) = \begin{vmatrix} a-t & b \\ c & d-t \end{vmatrix} = (a-t)(d-t) - Bc = t^2 - (a+d)t + od - Bc = t^2$ = t - (a+d) t -1. Brougeceo vojeni xop. uno.:  $t^2 - (o+d)t - 1 = 0$ D=(a+d) +4 >0 => Xap. mar. elos 2 pizzi giucai noponi  $t_1=1$ ,  $t_2=-1$ (So Itel=1tzl=2). Budepeux bignoligai beveni beerspu ognseernoë gobrenseer. Kex. be. r. te=1 biguol. be. Bensop as, a le. 2. tz=-1 begrest. Br. bensop az, nguroreg 10-11= 12=1. Bracoi ben. ac, oz-opporonoreni, an br. ben., ego bigurb. piznue Beaucu ruccol. Tour as, or yolop. optonoperobarem Some V2.

flow = 1.0, +0.02 A(az) - 0-a1 + (-1)az Tosso b Sogni 01,02 oneposopy fl bignob. leasp.  $B = \begin{pmatrix} 1 & 0 \\ 0 - 1 \end{pmatrix}$ . Many Smelo X 6 V - gob. beersop, succió la S. 01,02 ecas noopeg. X= (de, dz). Togi X= deoc+dzoz, ALX) = 2101 -2202, rosno leurop Llv &S. as, az reak moopeg. A(x) = (de, -dz). Toure resou , onep. It & bigSerAsse reoligissen bigreveres njuliot, up njonogute repg mylo-bensop, expecolyrorene fensopour nouvoi & blea. as. 2) det A=1 Oca. A - optoronalma ecosp., To AT = A-1  $A^{T} = \begin{pmatrix} a & c \\ e & d \end{pmatrix}, \quad A^{-1} = \begin{pmatrix} d - e \\ -c & a \end{pmatrix}$   $\Rightarrow d = a, \quad B = -c \quad i \quad A = \begin{pmatrix} a - c \\ c & a \end{pmatrix}$ Mpr yeary det A = 2 + c2 = 1 - llonerer Bloomer, myo a = 604, c = in 4 gel gouro myter 4, vosto A = (cos 4 - sin 4) - eentjugt nobogody. Opsoronousmin in onep, na reougni & onepatopole ognoro z gbox muil: 1) fig Surt neorgaten bigreococo generi uplier, uso upoxogento repez D; 2) nobopot noreguren ma getucció mys. Teopeleu nyo Jugoby optononomenoso onequiropa Veop. Heron At - opposionalercein onegowop rea cuincerestalippesery churiyoborey nportopi V. Togi gra np. V I pozneceg & npelly cyley nigripo copil V = L1 DL2 D -- DLx Trucci, upo la congratad yuola; 1) noncen nigroccip Li infajiant mui bignoeno A; 2) paripriese nominoro rigupocrojey din Li = 1 abo 2; 3) sumo dimbi=1, so onep. A gi6 to bi su vosomeria, voo an grepnollere bigosponerod;

4) sueso dim Li=2, so onep. It git rea li su nobgot resequeren 789 2000 no geralin mys;

5) \( i = 1, \( \) : = \( \) \

Teopero npo bygoby opposonolenoù eest purgi

Teopera Do V opporonolision motpungi A 3 opporonolism

erospry F Town, yo B=FAF was land

$$B = \begin{pmatrix} B_1 \\ B_2 \\ \end{pmatrix}$$

ge bi veiturum Bi ropagny 1 aso 2.

Sunso mismunua nopoguy 1, so bono ceat burning (1) ovo (-1). Averso Bi nopegery e, so  $Bi = \begin{pmatrix} \cos \varphi & \sin \varphi \\ -\sin \varphi & \cos \varphi \end{pmatrix}$  get generos  $\varphi$ .

3. a. = (2;3;4) a2=(1;2;2) a3=(-1;-1;-1) a, 2 (-11; 3;9) b2 2 (1;1;-1) b3 = (18;-6;-14) Tera = (a, |a, |a,) = |21-1 | Tare = Tera = |21-1 | 100 | ~ (42-1) | 001) ~  $\begin{bmatrix} 1 & \frac{1}{2} & -\frac{1}{2} & \frac{1}{2} & 0 & 0 \\ 0 & \frac{1}{2} & \frac{1}{2} & -\frac{1}{2} & 1 & 0 \\ 0 & 0 & \frac{1}{2} & -\frac{1}{2} & 1 & 0 \\ 0 & 0 & 1 & -2 & 0 & 1 \end{bmatrix} \begin{bmatrix} 1 & \frac{1}{2} & 0 & \frac{1}{2} & \frac{1}$  $\mathcal{T}_{a \Rightarrow 2} = \begin{pmatrix} 0 - 11 \\ -12 - 1 \\ -201 \end{pmatrix}$   $\begin{aligned}
e_1 &= -\alpha_2 - 2\alpha_3 \\
e_2 &= -\alpha_1 + 2\alpha_2 \\
e_3 &= \alpha_1 - \alpha_2 + \alpha_3
\end{aligned}$ (f(le) 2 (f(-a2-203) 2-G(a2)-2 (f(as) 2-62-263= 02 (-1; A; 1) + (-36; 12; 28) = (-37; 11; 29) G(l2) 2 -61+262 = (11,'-3;-9) +(2;2,'-2) = (13,'-1,'-11) G(l3) 2 61-62+64 = (-11,'3;9) + (1;-1,'1) + (18,'-6,'-14) = (6,'-4,'-4) 2 (-5;-5;4;-2) + (3;6;-3;3) = (-2;1;1;1) 63 3 Q3-d3, 6, - d3262 d3+2 (936,) 2 -3+12-2+2 = 1. 63263-61-2622 d32 3 (6262) 2 6+6+2+0 22. 2 (-3:6;2;0) -(1;2;-1;1) -(-4,7;2;2) = (0;2;1;-3). Bop=26,62,63].