New (1) Heroir y ben. np. V zogareo gli centrecen bentopilo A=Lox, oz..., omy, b=Lbzbz, ..., bny, npuroley bis bentoper cucrelen A iniano buponerost d reps unchery b. Anyo m>n, so centreno A circiano zoresuno.

(II) Heron y ben. np. V zogoseo gli ancheren feresojub A = Lozoz. -, a m).

B = L b1, b2, ..., bn), nporocy bai bensoju ancheren A im.

buposu. repz anchery B. Annyo ancheren A iminno rezonesatea,

To m \le n.

Boix elem: ionimo nozolomo cucremo benerapo su mone ivinisto bapascasaca reply ancalmy z menumen ruccom benerapilo.

Dob- toggens gologuru eeleg & I gogeegesoboun big cynpatuluoso. Hosoi curreno A inimo rezoleousea, nyrrycenco, uso m>n. Consolute maky currency benops b Az = {az, By = {an, bz, bz, ..., Bny 30 njunggenrou as 6 6 B), vocey LB> = LAs) i cuchecca As initre zoleonno. Bassein As budayosuo repleción benoop, up ivinios bapascobbo reps nonepegui, i noscoremo word reps Cs. Devilleur ox + O (So A-in regol.), To Cs + as, a vouy crob. burpealules feurop c1 is cucreren bensozail A1 Ozepnenseo ent. Ben. Be = AIXCL'S i nyer gooring Benson. LBJ = LAD = LBD i l'entrerie Br zoenceo abo n bensoyne. Anocourres curoques activery bea. Az = loz, Bsy = laz, ox, ..... Bruby, our, oz 6 (B) = (B), so we ben. Az in. zor. LAZ)= LB2)= LB). Broky bourt ben. Az Gudenpobles represent bensop, gunt in. bayosu. repez vonepegni i nozu. ivoro Cz. Occiden so quebono encreus ben. A viriario rezoverseo, vo ben. 02,06 - in regolesini, a rowy or 3 runen ne cinbrogue, Tobro C2 6 B. Burpeccoocco lensop C2 3 conteleu Az, ogepnences Bz = Az VCz4, que curegostos z n bensozak, njuroly (Bz>= LAz>= LB>.

Typogobneyroru gen nyoge goti, repz n vypenik nyudogaceo go cuerecun bentojih b= (0n,0n-1,...,02,019, nyurocey (Bn)=2b). Ace guego m>n, no I ben. and GA, nyurocey and GCB>=LBn) Touru ruscou, benrop and circ. bepose repz benropu anome, o,02,01, cyo cynegerus irinimi rezolemnosti cuerecen benropub A. Teoperia Mopgana

Heron F-gerse nove, LEF-gerse ruces, KEW.

Oza. Xopganoboro viituruoco nopaguy K z nopocaspoce ) teog. ubogration leating

$$j_{n}(\lambda) = \begin{pmatrix} \lambda_{1} & 0 & \dots & 0 & 0 \\ 0 & \lambda_{1} & \dots & 0 & 0 \\ 0 & 0 & \lambda_{1} & \dots & 0 & 0 \\ 0 & 0 & 0 & \dots & \lambda_{1} \\ 0 & 0 & 0 & \dots & 0 & \lambda_{n} \end{pmatrix}$$

$$\vec{J}_{1}(\lambda) = (\lambda)$$
,  $\vec{J}_{2}(\lambda) = \begin{pmatrix} \lambda & 1 \\ 0 & \lambda \end{pmatrix}$ ,  $\vec{J}_{3}(\lambda) = \begin{pmatrix} \lambda & 1 & 0 \\ 0 & \lambda & 1 \\ 0 & 0 & \lambda \end{pmatrix}$ 

Ozn. Mopgonolow lestjungen sez, elogpoten lestjung gua een vary Sygoleg: Bzyolou ralobuor giaromoni sass neopyanobi mirumu, pemra elevensib =0

$$\dot{J} = \begin{pmatrix} \dot{J}_{u_1}(\lambda_2) & 0 \\ 0 & \dot{J}_{u_2}(\lambda_2) \\ - & - & - \\ 0 & 0 \\ - & - & - \\ J_{u_3}(\lambda_3) \end{pmatrix}$$

Vocansbur benognon suopaves bor les puje & gioronolero respeny. Bi ir suopavesti neisurum nopaguy 1.

Dru. Pore F sez, arredgoirsse zouvrerum, queso nomen urvororien nernyesoboro chenesa z noegrigionsolen z yeoro nov elab Bysoley novi nopises.

Boinobnoi reageien arrespu barpenbas, up arresporcio Zolivneture rolle E noil voupleverux rucel Bæresporero zouverorey noi vonen emororan nenyuoboro crenene ceomiseo porneacon de godypor initima ecrosoreris.

Teopere (Xopgana) missey 3 aresportes

Vebograssia marquer A z enemerane z arresportano zouvileroro nova F nogistra go geanoù ocopperestoù nospusi 3 ellerto en 3 nov F. To500 3 sona rebupogonessa leat puid T 3 eleventalea 3 now F, uso morphy B=TAT supropuroba. Mujuw Breoz. suoposoxeoboro respusieres o gropiesos Copopuly so cuo reoperly & replied reopir cinia ruse oneposogib. Der & inimero oneparopa It rea conversablemenprealess bewopening sportogi V nog anespoircus zarevienum novem F I Sozue upocropy V, Laurey oneparopy A Bignobiga 6

suopganobe ieograf. Beer Sozue noz, neopganabale Sorniale onepasopo A.

3. A= \left( \frac{4}{1} \frac{1}{4} \right) \left[ \frac{1}{4} - \frac{1}{4} \right] \frac{1}{4} - 1 -2 1-1/2 (4-1) (12-51+6) + (-21+6) -3+12-13+912-271+27=  $=-(\lambda-3)^3$   $\lambda_1=\lambda_2=\lambda_3=3$ . 1123: B1= (A-E)= (111) - (111) P(2-K2-K3)

a= (-1;0;1)

-1|0|1 arz(-1,120) l(h1) 2 n-rank Bx = 3-1=2 ( Richeren mopganobux muiran
que h1) Called 2 rank Bh - 2 rank Bh + rank Bh Bi = \left( \frac{111}{-22-2} \right) \left( \frac{111}{111} \right) \frac{000}{000} \right) \right) \tau \left( \frac{11}{000} \right) \right) \tau \left( \frac{11}{000} \right) \right) \frac{111}{000} \right) \frac{111}{000} \right) \tau \left( \frac{111}{000} \right) \right] \tau \left( \frac{111}{000} \right) \ta

The machine 1 mapped length moreograph 1 70 1 morgano-by mirrory northern 2:  $J_{A}^{2}J_{1}(h_{1})+J_{2}(h_{1})$ .  $J_{A}^{2} \begin{vmatrix} 300 \\ 031 \end{vmatrix}$  Theory goopen marpuse mat 6 Eaguei 2 beacux bearopit

4.  $x_1^2 - dx_1x_1 + 2x_1x_2 - 2x_1x_1 + x_1^2 + 2x_2x_3 - 4x_2x_1 + x_3^2 - 1x_1^2 =$ = (x1-x2+x3-x4)2 - 222-x32-292+2x2x4+2x3x4 + 2 x2 x3 = 4 x2 x4 + x32 -2 x42 = /41 = /41 x3-22-2C4/2 y22+4x2x5  $-6x_{2}x_{4} + 2x_{3}x_{4} - 3x_{4}^{2} = |y_{2}|^{2}x_{3}^{2}x_{2} + \frac{\sqrt{3}}{3}x_{3}|^{2}y_{1}^{2} + y_{2}^{2} - 3x_{2}^{2} + 2x_{2}x_{3} - \frac{x_{3}^{2}}{3} - 6x_{2}x_{4} + 2x_{3}x_{4} - 3x_{4}^{2} = |y_{3}|^{2}x_{3}^{2} + \frac{\sqrt{3}}{3}x_{2} - \frac{\sqrt{3}}{3}x_{3}^{2} + \sqrt{3}x_{4}|$  $\begin{cases} y_{1} = \chi_{1} - \chi_{2} + \chi_{3} - \chi_{4} \\ y_{2} = \chi_{3} \chi_{2} + \frac{\chi_{3}^{2}}{3} \chi_{3} \\ y_{3} = \chi_{3} \chi_{2} + \chi_{3} \chi_{4} - \frac{\chi_{3}^{2}}{3} \chi_{3} \end{cases} = > \begin{cases} \chi_{1} = y_{1} - \frac{\chi_{3}^{2}}{3} y_{2} + \frac{\chi_{3}^{2}}{3} y_{3} - \frac{1}{2} y_{4} \\ \chi_{2} = \chi_{3}^{2} \chi_{2} + \chi_{3}^{2} \chi_{4} - \frac{\chi_{3}^{2}}{3} \chi_{3} \end{cases} = > \begin{cases} \chi_{1} = y_{1} - \frac{\chi_{3}^{2}}{3} y_{2} + \frac{\chi_{3}^{2}}{3} y_{3} - \frac{1}{2} y_{4} \\ \chi_{3} = \frac{\chi_{3}^{2}}{2} - \frac{\chi_{3}^{2}}{2} y_{2} - \frac{\chi_{3}^{2}}{2} y_{3} + \frac{3}{2} y_{4} \end{cases}$  $\begin{pmatrix} \mathcal{X}_{1} \\ \mathcal{X}_{2} \\ \mathcal{X}_{3} \\ \mathcal{X}_{4} \end{pmatrix}^{2} \begin{pmatrix} 1 - \frac{73}{3} & \frac{21}{3} \\ 0 & \frac{737}{6} & \frac{737}{6} \\ 0 & \frac{737}{6} & -\frac{1}{2} \\ 0 & \frac{737}{2} & \frac{3}{2} \\ 0 & 0 & 0 \end{pmatrix} \begin{pmatrix} y_{1} \\ y_{2} \\ y_{3} \\ y_{4} \end{pmatrix}$