Norossa osephereoro onegatopa Heavi A- in. onep. na Ren. np. V Awayo go moro ways iniment onegoly B na up. V Touring up AB=BA= E, 50 oneparap B maz, odeprærene god onep. L i nogu. $B = £^{-1}$ Twoma 1) en go nomerors onep. icrys observani? 2) cuilleur get gororo onep, esone isregladu odeprærena? 3) an quair ter oblepreneur oneparap? 1) Heron O - rejudició onep. na lea. np. V Togi & in. only It me V: O. It = A.O=O, 70 se ga regiodoro origotopa se icay a oберженого. 2) Tynnganco ga ganoro cin. onep. I ra up. V icry rooz onep Bro F no sp. V, rani ugo FB=B+=E, ff=FA=E. Tog: BAF = B (AF) = BE = B Bineroro sorry BAF= (BA)F=EF=F Tollo Bof. News grungo god in-oup. icry a odepresseur, no fire agreement. 3 Fingland obsprenoro onepotopa. Teaperso Nin. onep. na wiver. hun. np. eux odepressent () le gouver sozuri inser bignologo c rehypoguerra ecopung. Dob- Mynnyanero go in onep. It rea bou, up. Vicayo odepreveni i as, ar, ..., an - govern borne up. V, & sucrey oneyworny to bisseoliges earner A, a expansely A - earner B. B & Somis ognewroney onep. E big notiones ognewrow leading E. Ocaileum go oropotopil bevou. At 2= E, 50 god ecotorge AB=E, costro B=AI i A-redryogoneted. Munujanco, Cogonores Forni as, az-, an onepotopy A fignologo

Noguorusco reps \mathcal{B} circ. onep. no ng. V, suory bysoley souri bignoles crosp. A^{-1} De centrage benon. $AA^{-1}=A^{-1}AcE$ Vogi go oregatopil $\mathcal{A}B=\mathcal{B}\mathcal{A}=E$, \mathcal{T} so ozer. $\mathcal{B}=\mathcal{A}^{-1}$. \mathcal{D}

rehiposoulte ecognist A. Tobro icage ecotping A-l

Boyle: Heroir It - in-onep. he cainer. fue. up. V, surely & gonarez give. bazuci as, oz..., an bûgnologac eealp. A. Augo go It icreze odepresent, to l'esoleg ou Sozuci onepotopy A-1 bignolique o Seprena cesp. A.

Ensilacentini yeesbe icaybano odepreseoro onegatoja

Vego- Herou At - cire-onep. no coiver buen up. V. Tous reachymnin quole ealiballatri:

1) god to icays A ;

1) got to iceyt It, 2) onep. It Some upoctopy neperogeth & Sweet upoctopy; 3) onep. It sugar suy ein. regal. Cent. Rentopil neperogeth Piùn-regol. cer crerey;

4) for £ = LOS

5) Jm A= V

6) & V Sozui onepa vojeg A fignolige suchepagnere eesspral

7) onep. A brocuroognormormi, volto z x2 +x2 => ft(x) ff(x2).

Marpuye Sirinimiero grynugir & Soquei.

Myrrey chuces f (x,y) - Sicinièrea que unit rea upo croji Vray moren R, at, oz., on - govern gincobaren Sozue upoesojny V.

Mospryeno Sirinimor gynniñ na nportoji V & Sozni at, az, ..., an normation a conjuga

Marpur Sinivision gyrseyin bysnoly Synci gilesee begnoros dicirciony gyrugiro

qui l'Soquei ag, az, -, d, Hoscon x, y & V - gobileri bensoper, ceasett usopyunatu x=(xx,x,..,xn), 4=(4x, 42,-, 4n), A - ecoperer Sirinimeror grynwyir f l'agrici as, az, ..., an

rea bentopool x, y Toyi znovenne dilinimor grymuzir econero quoir Per zar poprey toro

 $f(x_{i},y) = (x_{i},x_{i-1},x_{n}) \cdot A \cdot \begin{pmatrix} y_{1} \\ y_{2} \\ \vdots \\ y_{n} \end{pmatrix}$ 36, you earprige Sicinitarion appreção Cjoznas Serucas. Teopleo Plexair divinisión apprecesor flx, x) rea minrevolucio preoleg njordojni V nog noten R & Lugaci as, az,.., on Lignobigat morphy A = (dis)isin, a la vorque les, bz, -, by mospred B = (Sid) is=1, is F - earpered neperous big Sorry osar, on go Sarry bs, bz, -, bn. Togi B=FTAF. Dobegens Husin x, y EV - gobileni bensoyu, sui & Sozaci as,oz..., an zagarobad ucopportealolen x=(xx, xx,-,xn), y=(4x, 4z,-,4n), a b Loquei be, be, -, by - noopgiropoien x=(x', x', -, x'n), y=(y', y', -, y'n) Ocullun F- ecopus repercopy by Inputy of az--, on go Torong B1, b2, -, Bn, 50 beveryourd piknowi: $\begin{pmatrix} x_L \\ x_2 \\ \vdots \\ x_n \end{pmatrix} = F \begin{pmatrix} x_L^1 \\ x_2^1 \\ \vdots \\ x_n^1 \end{pmatrix} \qquad \begin{pmatrix} y_1 \\ y_2 \\ \vdots \\ y_n \end{pmatrix} = F \begin{pmatrix} y_1^1 \\ y_2^1 \\ \vdots \\ y_n^1 \end{pmatrix} = F \begin{pmatrix} y_1^1 \\ y_2^1 \\ \vdots \\ y_n^1 \end{pmatrix} = F \begin{pmatrix} y_1^1 \\ y_2^1 \\ \vdots \\ y_n^1 \end{pmatrix} = F \begin{pmatrix} y_1^1 \\ y_2^1 \\ \vdots \\ y_n^1 \end{pmatrix} = F \begin{pmatrix} y_1^1 \\ y_2^1 \\ \vdots \\ y_n^1 \end{pmatrix}$

Toosi $f(x,y) = (x_1, x_2, x_n) A \begin{pmatrix} y_1 \\ y_2 \\ y_n \end{pmatrix} = (x_1, x_2, x_n) F^T A \cdot F \cdot \begin{pmatrix} y_1 \\ y_2 \\ y_n \end{pmatrix}$ 3 inunoro Sony, $f(x_i y) = (x_i^1, x_i^2, -, x_n^1) \left\{ \begin{pmatrix} y_i \\ y_i^2 \\ y_i^2 \end{pmatrix} \right\}$

Monovers, yo B=FTAF

Ryrugance cup FTAF=(tii)i,j=7,10, i nouverence,

ceso Y C, i=1, n ' fij = dij .

Bagningeneo imperen i, i. Togi β ii = $f(\beta i, \beta i)$.

3 immoro Sorey, $f(\beta i, \beta i) = (0, -0, 1, 0, -0)$ FAF(i) = i

Tobio Bij= tij.

Howigon Pour scarping Siliniviscon gaznegia del zolocense big bersony Jumes Dobegenso Augo A, B - ecotyugi Siciniuscoù gayungir flx,4) y fignad Sopulase, TO B = FTAF giz gernoù neligo goneroù nopri F. De ligono, gomenomense eerqui zuba a enquba na rehvyorgeneny enorphyses ne zuinsos ir poury. Toeg Panne ecagnize Ai B pilici. D 3 ochanseoro naccióny buncuba l'operation reactymeoro Dru. Porson disciunos gyrugis se cuintescolulispuoley reportopi sezulo 600 pour is ecopues l'adreoley d'aprili. Dru. Kogposni ecospnis Ai B rezularosa kompyentrullu, anno 3 refurognesco centras F voico, uso B=FTAF. 3 ochonosor vegecen bunenbar, ego electruix divinimos communió le pirsua dornada nonepyeterni. Maque Sirininor grynnin bynnesey Sænci gjenoer zuget yn 3 inwood Soney, seroù A - ebaggarra eestpreed z giñremen evenenseen nopagey n, V - Centropreed npoetip sag novem R pozeripeoroù n. Togi ecospago A zogat seo ngoragni V get ky bislinièrez gynneiro. Diù mo, zagincy oceo genuir bren npoctopy V as, az..., an x,y eV - golilai bensopn, sui le geoley Suzuci elosots leoopguradu x=(xxx,-,xn) y=(y4,4z,-,yn). $f(x,y) = (x_1,x_2,...,x_n) A \begin{pmatrix} x_1 \\ x_2 \\ \vdots \\ u \end{pmatrix}$ Pynnyse & a Sirinimeon gymnyiero na njortoji V, suin Canoly Sazuci bignobigat eloques A.

4
$$x_1^2 - x_1 x_2 + x_2 x_3 + x_2^2 + x_2 x_3 + x_3^2$$

A: $\begin{pmatrix} 1 - \frac{1}{2} & \frac{1}{2} \\ -\frac{1}{2} & 1 & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{pmatrix}$

[AIE] = $\begin{pmatrix} 1 - \lambda & \frac{1}{2} & \frac{1}{2} \\ -\frac{1}{2} & 1 & \lambda & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & 1 \end{pmatrix}$
 $+ \frac{1}{2} \begin{pmatrix} -\frac{1}{2} & 1 \\ \frac{1}{2} & \frac{1}{2} & 1 \end{pmatrix}$
 $= \begin{pmatrix} 1 - \lambda \end{pmatrix} \begin{pmatrix} \lambda^2 - 2\lambda + \frac{3}{4} \end{pmatrix} + \frac{\lambda}{2} - \frac{5}{4} = -\lambda^3 + 3\lambda^2 - \frac{9}{4}\lambda = \frac{\lambda}{4} \begin{pmatrix} 2\lambda - 3 \end{pmatrix} \begin{pmatrix} 2\lambda - 3 \\ 2\lambda - \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{pmatrix}$

And $\lambda_1 = \lambda_2 = \frac{3}{2}$: $\begin{pmatrix} -\frac{1}{2} & -\frac{1}{2} & \frac{1}{2} \\ -\frac{1}{2} & -\frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & -\frac{1}{2} & \frac{1}{2} \end{pmatrix}$
 $= \begin{pmatrix} -\frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ -\frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{pmatrix}$
 $= \begin{pmatrix} -\frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ -\frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{pmatrix}$

And $\lambda_2 = \lambda_2 =$