Koopyn noon oppy beulopa nju in nepelogentie Teoperer Heuri At - in nepole, cairer bau, beu, np. Vrog n. F How of Dr., on - general give. Sozue np. V, & Dealey It hynolige a clasquel  $A = (di_0)_{,i,i=1,n}$ ,  $x \in V$ -germen beauty, norganisale according beauty by severe organi e  $x = (di_0)_{i=1,n}$  de  $di_0$  a coopenian beauty of  $d(x) = (di_0)_{i=1,n}$  de d(x). Too ber way stall pibristo (31) = A. (2) Dol. Bo yersboro x = mox+moz+--+ man; A(x)= of or+ofor+ -- + fron 3a ozn. ecaspriji in. nezelb. A(oc) = 11101+ dz10z + - + dun an, Alad= d1201 + d2202+ -- +dn20n, A (on) = don ostden Ozt-- + dunon, Touri Alx) e A (mostic det - + in an) = in Alan) + he Alar) + - + hin Alan) = - hildmon tonoz + - toman) + heldre on total Det - tolazan) t --- t + In (don On then Ozta & Lunda) = (day by + dazdet - + din da) at t + (dry dry + dreede + - + dry dry) or + - . . + (dry dry + dry drz drz + - + dry dry) an Are parnog benoga l'in nous. Sozanteux besto jib agentes. Tolly 81 = don dy that is + - + don dus de = der der toter det - toden du, on = dni la tonz lizt. I dun il n, voo b ecogurnoley bands ( 82 ) = A ( 2 ). Town reveal, mod sporter voggereden odjozy bendome

Tour unseau, upod growth vooggerrom vogregerrot beerlyen bosnowy bozeri, vpeda bewop- cooknew vooggerrot beerlyen b gonoly bozeri governmen new watyngs initiations republishers bysoner bysoner bysoner bozeri.

Dygola Helu poqueroro cinimero organique le voireseolucipeseey clouigolocey ypoctopi. Neua Heson A - nebaporpuenua ciniareca oneposop l cuincenduci puocey cheizoborey nportogi V. Togi onegotop A\*A como enpermenta i bis isoso bearris rucha Dob. Dobegeno conocupamerios onep. A\* fe Kapuryorace beocheboerden cupanieno, mache  $(\mathcal{A}^*\mathcal{A})^* = \mathcal{A}^*(\mathcal{A}^*)^* = \mathcal{A}^*\mathcal{A}$ . Tourell whom, oneputop It A collocuparalercein, a reey bu nojeni uoro xopandejucturnoso emororel na giuni Todo à beolemen rucealen oneparapa Heron A - Swere ruces onegosopu A\* A. Moranecco, up >0 Beaeredey rucy à bignotique germen Beaeren Beerry a 6 V, Tobro a +0 , (ft)(a) = la Togi  $(\mathcal{H}^*f)(\omega)$ ,  $\alpha) = (\lambda \alpha, \alpha) = \lambda(\alpha, \alpha)$ . 3 invuors soney  $(ft^*ft)(a, a) = (ft^*(ft(a), a) =$ =  $(\mathcal{A}(\omega), (\mathcal{A}^{*})^{*}(\omega)) = (\mathcal{A}(\omega), \mathcal{A}(\omega))$ . To so x (a, a) = (from, from). Are a \$0 i onepusop A - reskupogouerresi, vocey A(a) \$0 =  $(a,\omega)$ 0,  $(A(\omega),A(\omega))>0 => 1>0. <math>\square$ Teopero (nyo Sysoby helppoupue roro onepasopa) Do 4 religiognessors cirinresses oneposopu ft na cuirrerobilippeologi ebuigoboley njorsopi V ichyroth optoronolevici onepotop H i ween enpowered one potop From, up A = GLF. Dob. Ocusien A-relhyosprenein onepatop, To ze relevo onepenop fit - collo-enparelerein i bii novo bralni ruced gogatii. Toug I opsonopusbanem boyu or, or, on morropy V, up woodoord & blown bearib onepoppe & A.

Heson At A(OL) = NOL, At A(OZ) = NZOZ, ..., At (an) = non. Tpu yborey 12>0, 2>0, --, 1, >0. B Sozuci as, oz,..., on onepatopy At Bignobiyas giororesesses Normonuero reper F civiliscent oneparop re nportogii V, anoung le Soquei os, oz, ... on bignolique enspungl  $f = \begin{pmatrix} \sqrt{\lambda_3} & 0 & \cdots & 0 \\ 0 & \sqrt{\lambda_2} & \cdots & 0 \\ \vdots & \vdots & \ddots & \vdots \\ 0 & 0 & \cdots & \sqrt{\lambda_n} \end{pmatrix}$ Ocnillan Soyue opionopreobonem, a ecospage F-culestymores, To onepotop I wee-engroveneen. 3 voro, uso hi >0, i=1, n bunenbab, uso ceojung Fredryog mena Toolo 3 onepotop J-1, Bozni 01,02..., on onepotopy Fi bignoligas ecotpuyl  $F^{-1} = \begin{pmatrix} \frac{1}{\sqrt{\lambda_{L}}} & 0 & - & - & 0 \\ 0 & \frac{1}{\sqrt{\lambda_{L}}} & \cdots & 0 \\ 0 & 0 & - & - & \frac{1}{\sqrt{\lambda_{L}}} \end{pmatrix}$ Ocuiloun Sozuc as, oz,.., on optonopreobatein, to onepotopy (J-1)\* = (J\*)-1 Cysoley Survice Cignolique ceasured Rayurus reps Il oneparop Il = £F<sup>-1</sup>, i nouvoue us use onepasop Il oprovanousmui. Do your bezerven godgron oneparopul It Il = (AF)\* AF" = (F)\*A\*. AF" = (F\*) A\*AF" Ussey oneparopy & Sozuci Os, Oz, ..., On bignobigut ecospuy

Tomme ruron, le Sorgini of ozzin, an onegasopy H\* H bignolizate ognimina enormie => Jet H= E, rosso Jet = Jet I, To fe = L T I Bayborneme Tomber process, orinierum H= HT, To fe = Jet I = E processor processor processor de processor processor processor de processor processor de procesor de procesor de processor de processor de processor de processor de pr

Bayboneum 2 Answirses yobogurad vane vleggenend:

Do 4 ulbupogneum einianers oneparopa to the

cuintenobusipmoney eluiyoboley nportogi V 3-16 optoromente

oneparop He i collo-enparuenta oneparop Fe Trui,

ceso A = Fe Jle.

3. 
$$f = \begin{cases} 0.24 \\ 282 \\ 120 \end{cases}$$
 $f_{1} = 2e_{1} + 2e_{2} - e_{2} + 2e_{3}$ 
 $f_{2} = 2e_{1} - e_{1} + 2e_{3}$ 
 $f_{2} = 2e_{1} - e_{2} + 2e_{3}$ 
 $f_{2} = (0, 0, 0)$ 
 $f_{3} = -e_{1} + 2e_{2} + 2e_{3}$ 
 $f_{2} = (0, 0, 0)$ 
 $f_{3} = -e_{1} + 2e_{2} + 2e_{3}$ 
 $f_{2} = (0, 0, 0)$ 
 $f_{3} = -e_{1} + 2e_{2} + 2e_{3}$ 
 $f_{2} = (0, 0, 0)$ 
 $f_{3} = -e_{1} + 2e_{2} + 2e_{3}$ 
 $f_{3} = (0, 0, 0)$ 
 $f_{4} = (0, 0, 0)$ 
 $f_{$