Emanuels Grinbergs Motives for reflections

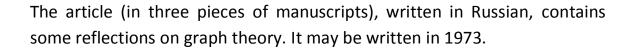
Part One

Facsimile of manuscript (in Russian)

The archive of Emanuels Grinbergs manuscripts

University of Latvia

Annotation



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Motular gra pagnamienni I.

Unhapsumen, marpaga, orgsegemiem yrapsh.

001599

1. Hesteropse granten a o Sogmerena.

1.1. P.ace majorhadorian yragin G(X,V), opnemajorhadoria um mer, c |X| = n dieportunaria, nyong nepohamenen at 1 jo n.

Beparang a moneport i Sysen majorhara beparation i.

Occurbanon atrices apezialineari yrangagon G. Oznasio occurbanon atrices apezialineari yrangagon bestarpe honono Sysen presenta pulma a capata mescaraphe honomorare rotate yragin, nyongoza storaphia somer Stara

poz miranon. Il os tong ny osayan presenta permu me
yo reservational argum, story G ny miningo am

Macca azomopopulase gpor gpory racia G non Syjen mazulara Tunana. Tepog Pa, Pp..... o Soznana rucco racian G Tuna d, P,...

Correction of injuration, and you am G.

3 To resolate he ruman, chegarana c G, he mendeman
choere zonarehna upa nepery hepanjun lepanna G;

gra yapah, he igo nopypular c G, 3 Tot unhaprant
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per zolu ulugun of G).

II punepa und ymanial: "aprego her weesene" undaparenta:

n, m=[V], roodere Va, goganeram herseoresene Va
maro gepelal, grant apol, no moment chagmon.

Dicapenaronne zuarena, ompegende une garobushin Tima: " han hepremer (han Sorbiner) zamene Tarloe, no sue - seponar mersee mus a unacc, maro pë deprior , lepunanon, y accomerción chiezmonth, mun markers Ancre crypting them the mouseur upig a al reams. CU2000

" Normersen unhymania" - zmarene uninhervin hester from you happy much, The Manne um ofgin bue historioporo chomicha, trang. G curation chieghour, 14 pm meisum (h or homesum paisquesum um gryvor chainten).

Moment pacement pularia Tajeme a onjegenemente pour disergen or gersoner undagen under, manys. me men un a mak yn and helen i hot op op my nelet more: scaparet que messere nomenan, nomprose preservor n T.m.

1.2. Den harm (mjern 1.2 -) amaen no uswysian usiggy may me 0 6 - 370 nat par, a common A(aij). Eun he grayano eggerve, entres to 6 apresingation, ris Same y so suo y me mester passe nep leuranse maniep yetangin, (treo pipayo hurya momeno amini a commer pursula appagnon.)
Cregolian erroro

aij. - meno gip e maranemon tipumanou i n Herman J.

and - man nevert le lepune à. Trahenogy, 53 mesersonemin, pagrunnen Symbon (i,j, u...) obegænselse pagrunde monepa hepman um zmenene mageskish.

) _

Typia mpong bogue a nyeny nepanjan to & Sn Lynna G. 37 m nepanjan pepanjan coor her in hyer ompege returne mar punja P nepanjanshore. Mar punja chemanar A' you holon my nepanjan ygohrer hopean coor homesurer

 $A' = P^{-1}AP$ 002001 (4)

Undergenamen 6 - 270 hermanne, zalenderen of A, noi open he memberet zon wenne nyon hun lognomensen n! = 15-1 njev Shazoh anners Anga (1). Tasene hermonen aggrassich hit enzopmen arrespe gre pagrurana reración newstrzymu, an man pour P (meling omjensene, your aprile, oprovon aramore a T. m.). Flare rece Hepenanshorane matpunger - lecona natural cryan oprowmanuser. Un glugen gane, no ocolin xapastiqs hamme marpon P unen ingarben sukromen lo ener, naration chanta a coortionemen. Ognesia outation le cure de chomente a coor momenne of ugen Tenzopmon a medper h ops over aranker 100p gun ar ax. To og por Smoe ing romenne mouregnen you Then repaire ergrant, resser o Sa Sin ar now ha mysong hermen in, græn Pamelinen [19,441-8.]. Herro epsjæthetime um regoli akure peggernarah kipeng en rio great, ho hoj nomino, no coormonisme a onej, m, an norge gara moregnine unemys un un.

He unknown, no no rymon mont Sina Tarme;

promotion a cunhomica gra jamen onpegentari,

arrespontences gono menni nin, hour a

proporteo uz nomentaria la 1 Besneson [3];

kuntena osognarenia - metog propension syrch a

ungerend escoytena [13, 221, 2].

102002

1.3. B corrain cien, no gerneral le ien3 operon a medpe, non dygen pacemar pulsar a
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gryng a hemi a romon mar pana ho Cog numpyr

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Tarkne up ong hegerine nomen no ryina un
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hopmania, empanaemne nece garanesia A.

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Tipu nep n:

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Eum mag ungesceann rehuse racien spongbogut de meskot opak mog cianolises

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Syrchen (7.2. c Ten me zarloush o vijezoh arine)

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B uparegian "h u c onpregentan 4- ungericante
herrinare, a « 1 - 3 - ungerican yno.

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n! (n-12)!

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nobri op ekotal. Ho uneet meeto le Ton a Torono
Ton cryrae, korga cym en hyet mejor bransmak
yoynna I moget anabere un yekish skoop yunat,
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intrommeren, ongregenesomus, scrop guna a. It a yppma ongre ge when we have the Tep munesse men negen akterione usiges col. Tax, hay, you he surva (3), T - yppma here nepenaturable Tpose winegouse whose col, 11-1=6.

Die (4) - T conom of your surveyor negen and love, 11-3.

Die (2) wheele Torono Tompen herego nog a skeolog,

[T] = 1. I cano, is a Coorthan type appme also suppendent of the supposition of the s

The pacement pulsaerae mero i opsak K. hugekener herman a Tuna d. Cymmpych skoopgun ai ar y name i ky N s i an he much no heede ynop e governouse ha Sopol ik pag muchos ungere ish, in wheen

Task 144 14 pg. 1002004

Task 144 145 pg.

Bargere, Korza 17/21, momeno och Sognibae of there menomine u your what a rangere nog our whose upon man a farm ofmen meg, earn cy manpohana y no empege remaining nog momenty N. B washer have appropries to government.

gre Cijepy(8) - no han i; jekkp;
gre dije y(91) - no ikj, ikl.

Druk ymmyrgod het hagod hour paccharpakara uppang legend y « moli-operson, namae navomai erus m, Tark mark a.; = a.j. nentenskure at enem ay. Earn me sen useen sy struppeg, To g a well oppuse un sawminTerrem gasot books Sunayon rucer ration
heistorspuse Tomal. Tipon en una sponsup:

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3 gen hij - noopgun and herkot op in glyse ungeremon hemman, con her in hyrom, ce Va
no yracia, hay, cylumpshamen no heen ippopagarehusen nyan iji

1.4. Navdon no manor or upong la manon mura hemma 12, 13, ... el neu un maliapriant en a nomer sara aprejaral ren 1600 priant en a nomer sara aprejaral ren 1600 no masa or hemma aij, air Osparho, no masa or hemma aij, air Osparho,

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Mais her hangerger he ogen stomperhoe Ve, a ongegenethe stommen in hertor open of hune, and the open of hune open, and the open stomment; have man gepelal, grant open, stommoners; have my hard to be store of the the transfer of the transfer of the hune hertor of your mangrap has, and to hune home morning he to proportion of the transfer of the tran

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- 3) pacemaphate onjegenmen i njuritaria Zastorana o Shazoharunt dremental a uriepnjer upohate mo sprae more zamenue;
- 2) noutaine et pour l'enperente un personne de la comme de la comm

1.5. Ogersen medassenve vitignsenne a yourne ng za skotopoù Teopped spegsod me skrivet un me-Soromen napryagion amedica Tenjopsh. B nocregner Tarkne pecchia pulation a nyway he femule y Inementale asy, him viscolmon lemmen A, his lice upong hegement & Tustuse I reteste at communication skoop guna am oghen hemman - Tengopa nophysia 2 K. I has me Fastoe unsomerito monghejemmi paragretae ha pag cama trensmi lomruse, ruew ungestoh storophere uger or egeungen (gre aii) go 2k / eam 2k & n. n. hee aij uneset pagamente ungeskus). Dan de = 3, nampanep, napragg - hermannann, coortera hypomy um (2) - (4), hu wheen eng phy herman, scaparti grazzani, usi mara havien G a there geram nom netourn (n 1 go 6 legemen).

1.6. Den montpoehner accordente hand
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ungeschieger hemming a shoop gun an area
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Syzet cynnyphata no K-1 mm K-2 mg

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ungeskol, Ta hen morgidan coor ber i herro

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temperature skoopgamaa a skotopha scapastrepaggar

mara racien G organgerennon Tuna (mm

mara racien G organgerennon Tuna (mm

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coor her integrongen granesus our asong erous

ungeskol). It por septi

Ein (2 umgeskok).

$$\sum_{j \neq i} a_{ij} = f_i$$
 $\sum_{j \neq i} a_{ij} = g_j$

Lususman tienem j

 $\sum_{i \neq j} a_{ij} = g_j$

Lususman tienem j

Ha tip. 6, upn grundpolarin sy organism man ration moment no almach a mestorophia man ration moment no almach a mestorophia manus even 17/21, sevi opani momeno gaspania mogsa gangua organizmen ay mangolamid.

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2. Ompegerniern

.0200**9**

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gele ensum appenepa co chom a hara, tarravan
kor extern nomer Sena meranena morgania.

(appenen appelementare
2.1. O Surana scapara exact unculum morana a
grana ga (4:; = 4:;) Seg netera (4::=0), ilosophia
mumer le linge

 $D(s) = \begin{cases} 3 & 4.2 & 4.3 \\ 42s & = D_{e}k(sE+A) \end{cases}$

D(0) - 200 nærespannerent gjunne gjunne 6

\[\frac{1}{2} \frac{1}{4} \cdots \frac{1}{4}

kvi opbre norgi avsepment a. kvan ypra (60),
evoi hei a hypory ne npoughe semmen a co a a hace
uni ai a, no D(0) - 2 i v cy naapmani hac
uni ai a, parti opah, a hec vi gerranow grantiopa protess
heer granti opah, a hec vi gerranow grantiopa protess

(-1)

2/2 1 - maro semignot rethon grutter l'aprint ope.

$$\mathcal{D}(s) = s^{\alpha} + \sum_{k=1}^{n} s^{n-u} \mathcal{D}_{k},$$

rge Die - cymna bewh hase grantiopsh hase nograpagion G c Tores it heparemente. Many:

$$D_{2} = -1$$
. man C_{0}
 $D_{3} = -1$. man $C_{0} = 0$
 $C_{0} = 0$

Die -1. man de +1. man Go 65 Die -1. man de +1. man Go 65 Broduic, cam Vic - man Manager dre mentymbre wantypol grund it h G, To

2 ge onzumente waraenne - ruma cuater Frement youther Hellingson by 3,2 Horigon, a cynnysmon general it.

Earn 6 medprent up ah annon yrungage, TO (5) wor her byer 8, a union gman >3 heroute gone ment errense menoment ern 2 (Komjorg.
grange vor herityer 2 mangen e monthem nomanen hupstream ern sp.
Trogper Surger grop my ry ch. y 6 en; c (Kay) [2].

B www. Xapapa, [4cip. 188], Mazapak ysazakaci na objop che stolure no inestiparamen dominhar yrague.

Chamiles D(i) gre neopropagiské, gott an have magpassense, oreggismes: eam De a mi Thisma hie = 0, To 6 - Sureponent meesten n massopris; gne Susponent messen 6 he sin Du = 0.

Jeger De desepromasona reportante de nomenom en especial operation de meritarion esperantement y maion, no a charge esperante has sinse Die sielenharement or especialment superiore en mental e mental estate quantité quantité de mais insisté grande.

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ypayahaia hepmana. Ognasto hecana 3a
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manahaia sprome hestoropana hasop programientale

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Sus-Sar aharomenan uspayah legan c

manamera noppayah ti usur pamae - Kypni shedon
manamera noppayah ti usur pamae - Kypni shedon-

Hago or neine, no you opyrage G ero mornaon Dis nemogregathera chazen a morna a marie.

Tipm nep :

002011

 $D(s) = \begin{vmatrix} s & 4 & 1 \\ 0 & s & 1 \end{vmatrix} = s^3$

Tak har har peneral pool met. Dhe peneral horpera har surportation man horper Surportation to the property of the Sough har a perospection to appropriate G to the property G (= connexportation oppositely). Tonga (= connexportation oppositely).

I To Time wight where hereo open bound G the you hardenement hereo open bound G mayo pader and me canno G, a messer open mayor pader and me i canno G. 2.2. Biopon ling nomenon un maison un Toss - sia superior momenon Tperior Toss - sia superior que majorina momenon momenon majorina coregada.

Trysta 6 opppen seg nature (4:0:=0) a

 $p_i = \sum_{j(\pm i)} a_{ij}$ lessognant vienens lepman i. Targa

 $\frac{1}{(s)} = \begin{cases} s + p_1 & -a_{12} & -a_{13} \\ -a_{21} & sap_2 & -a_{23} \\ -a_{31} & -a_{32} & sap_3 \end{cases}$

= 5 +5 Tan + ... + 5 Ta + 0, Tre. Tro) =0.

Ompegermen Taskoro buga hæsperakorak njen uccresobanum nevoma hongoich: 3 nestipurentere y enen, eguer a naversan cucien, y enen Magnisha a cutien naccobor adarymentature, opt oron around no men uch a Til a mosting pace nar puha mes meson un ahi epa un. Uccregolanne herrospejabensko ha agaste Teopun grapil maposens goponion hem Auscremdays (water y ut upgjører og 5 epma [1 , ap. 258] a Kerenanc [9]. TIpulogue uni op uper any uno Tx le Tep menere ciai en [5] (y Keremanea, legio simo, ena sielahareminne uni epomperari, un le mentorante unuse Typhumax). Tyata M= {1,2,..., n}, KCM (apperse leconomie), 1 Ill = x, J = MIK

Mnomento Lygn ypagen G na Sygen negativa shopmehown rewer i k nopmen h IK, eun

1) Le see cozepment recontypol

2) 1tel = 1 II. / " y Moneyon hymnan a monepon i a 3 uswym Torso ogna ggra t. I shahareni mana g, y, my myselista:

1) - To me

2') og samfor hepmann i hverepor i & J ussagen Tarko ogna srenenigretin nyra eg gyrti, Zarkantuharenjunder h prestor egan hepunen c

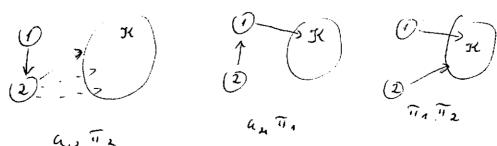
ino report j'& JK. 002013

Trahamin musiop marping a everyation (2 ongegemiene Tpenin mpm 5=0), morreps a cipose a ciralyde per opor o Speggior I, palen may supereline reach c Kupmann h IK = M\ J.

Ji pro nep: my at J = {1, 2}, IK = {3,7, ... n}, TI, " TIZ - mano gyp, uggin, un ug lepsuman 1 m 2 coor bette beneve he beparent a horneparen og St. P, = 4,2 + TT, Pi = an + 112

 $\begin{vmatrix} p_1 & -a_{12} \\ -a_{21} & p_2 \end{vmatrix} = a_{12} \overline{II}_2 + a_{21} \overline{II}_4 + \overline{II}_4 \overline{II}_2$

Tjon arazaeren upalon rain gasor mara popular rever These Engoli



Liz mpisnggmen cregger, no Tx - 270 .

mans hopewhen reach ypage G c is respective.

B randown, mpm H=1 mo syraen man has

proposeduse gepetal G, Tie gepetal, le Korophin

has gyrn openingschafte le hampalischem is

eynnichens my kopmin :

eynnichensomy kopmin ;

Ty-= Ep: = nuns Lien gyp (zour I wygyment no 1 money, 31 - he contamen).

Eum G neoprys ags (= contrat pursuant opprage),

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her = 7 = many lynns

Lec = 7.3 = 21

B From argue $T_{n-1} = \sum_{p} = 2m$

(bec planigon propre = 2),

T, = n. Ty

zge t - maro gepelsel (no Teopine Tpenta znaremne kangow muhopa mpagan n-1 mm 5=0 u boodinge This pales yourse beach have reach to c 16 Komonentain, norgaharonguse her legemen G (pedpy, many, coordinately Takon rec in stown pedpy commensum operations answer hypomens).

Cregathie: man ilamonent theoprement pohammon 6 pahow ungerkey no wegmene hemy relieve Tik.

O duguett a men swamment stor nomen cyznic no T(s) Tarsus gna neopspagsa. Chegum opsprys momen a he a neit skoperelase gepelach, many. 002015

0-30-0-30

Trostony, nearly maro downoheni opypagen G e no siones T(s), un gorman nysegle your aromo nepen To 14 coor hear hypory eng neopypage 6, h storogon stangery newy reboy aig tralina h coor hear line ogno prespo.

Hoherino a zyen Empse o dounsternase G nomen solytoon Sire montan myten, hang nostropjun at hour romelalus arometures apare A. Ognarlo Soraman y showing ingigermenen pariga T(s) & Ton, no Kamgoe TK Ahrench cymnon mong hegemen herevrapher "ij" (gne opysagsa) um cynnon Tarkus nyronghejenni, y unomenter ha no romme ertembre i hosgiganty ment à (gree heoppega). Trostany, earn hester ofthe ng Til a handelkunnun ubegerlann palme my mo, To hee con al whom we use my ong begenne

palme Oh orgensmoun, T. e. h. G. mei recien, coor her cilynom, un stan mysong he zemann.

Current chegsere komment in opropress hepsver his uponie uccregolaite appround inscrebent,
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hereze - he up T(s) um D(s) um mercer apport
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2,3. Even G opyngs c ogunasiskum huswymum armenum $p_i = p$ gra hen hymnum ogusposmum neopyngs cienem p_i , to $(-1)^n D(-s-p) = T(s)$.

one gehat er ome cympet hyet onpegerehmen entena runen hore coot his memma (yragata use h Jaree elision luge!), cheguharam, at

gre opprøn 6: hera cutien godine

y he meopopage 6: hera envien ymensk n hera reach a gepelsel.

2.4. Ma veniche vontra montpoetent hengonoprense spagoch e Term me D(s) a T(s), gymeran, no nomeno egop ny mpochara sunoi ezy; ny ara gano nomeno maro ompegenteren e agrini gano nomenoe maro ompegenteren e agrini nepe memmon, znarene i insispho uh resorte undergrunte and a grundighammen no. Tarja aguizalyses menzo inspegnete yragon, you storopher ha sin un-

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mone gypy - a tak ym menet a comme or menet a men of a men or a men or a men of a me

002017

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2.5. Paccumpulaen ompegement og 4 Svouch cyrazament nympnymi upose a wordych

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hvorege 1,2, n, care a ripsonge, colonezaset e no repara lepman G Døm un ling dremental Srestal (recta warnerson moment otreget it labout a):

$$k_{ii} = k_{i} + 3$$

$$k_{ij} = \beta_{ij} + \delta_{i} + y_{i} + t_{002018}$$

$$k_{ij'} = \beta_{iij'} + \delta_{i'} + \delta_{i'}$$

$$k_{i'j'} = \beta_{iij'} + \delta_{i'}$$

$$k_{i'j'} = \beta_{iij'} + \delta_{i'}$$

I remedia le - unhaperanter, telegalmentone repenessere um shouerastin (lectrorale n 0).

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Drown I, H, L morge ognolye men vicyiciloloita, Ken 373 unero merio la 2.1 a 2.2.

ciloloita, Ken 373 unero merio la 2.1 a 2.2.

Tipo ognolye menun orcepitalen Suorenh

B, I, H ma unero Tpulmanenni argeni argequin en L c unhapmani man 3 remeniana.

Ompegement A Ture There's, zervelle horoson palace of me organical and yearse no nomination may begin (un tarine money begins, guarantee and yearse no nominatione no specific, lear apong be rather of your proposal had face beturned, that ofthe Sygot aponypopulate has malace as grander—
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Trom in ho, pacier oups ge mison a unionima heyalman mepe humanima hecken Tpy grenose, game upon ha muna coor hei in hyromy use uporparan. Tros i ong cregger orpan mit at paggamenta maron i i ong memensa. B-oz momen u gpyron crypan - godec man y gritale macipania D c he cito rodum mepe memenan, mang. I, t, (11), (11) u headapen A(i'), no uniepe cypong ue mae he munate the manual hosqique un uestama remot, coseptuang us halari an shosqique un sure ana remot, coseptuang us hamanima he sure 2 memeriana remot, coseptuang us for it is a sure 2 memeriana vi of it is in the Torga noman b surge provina vi of specularia he

Jumen stehen.

Jipa parere ompegermeren A Toma Tperma

Momeno umo rozohara mognyonsana arropaira

Tayaca, upu per opusa parer uponesayar Sy

hurnishum. Dyka Testak mognypuskan na teomes aprolepma !) garrene myno mognypuskan neo thomas mynokana !) garrene myno mognypuskan neo thomas none nagokara h argrae, konga hac uninkayet umo nogopyma nemich. To resto bomps: o To m, kastne ng kosypyma nemich mo yr ac nove mono na (cogram nem he a consume mynora. Unemas: hac neprementa me a analy mynora. Unemas: hac nemy relie muchane o zamena ga herrier ne penghypus no ymanema. I, a ymomena a cromena mponghypus no my almomena a cromena.

2.6. Ochverne, priver a user ep mp et au uso uselagen asia mens no meno moh - zeranemin ompegermlagen asia mens no meno moh - zeranemin ompegermteren D - lepo en mo mponge heere manuscate

Teren D - lepo en mo mponge heere manuscate

c ompegermi erren, moscoruma un D(s) a T(s), many

$$\Delta_{1} = \begin{bmatrix} 3 + a_{12} + t & a_{13} + t & \cdots \\ a_{21} + t & 3 & a_{23} + t & \cdots \\ a_{31} + t & a_{31} + t & 3 & \cdots \end{bmatrix},$$

$$\Delta z = \begin{cases} 3 + i(t+1)p_4 & -a_{12} & -a_{13} \\ -a_{21} & s + (t+1)p_2 & -a_{23} \\ -a_{31} & s + (t+1)p_3 & -a_{32} \\ -a_{31} & -a_{32} & s + (t+1)p_3 \end{cases}$$

$$\triangle_{3} = \begin{cases} 3 + t p_{1} + u p_{1} & -a_{12} & -a_{13} \\ -a_{2} & s+t p_{2} + u q_{2} & -a_{23} \\ -a_{31} & -a_{32} & s+t p_{3} + u q_{3} \end{cases}$$

, ·

To congrue onpegerniedel 2021 when I'm I peterle ero paz romanne Syggi a revenue e ai puna-Tershalm 1603 grysning nesti a sin. Ti o cerej sine u cregición, earn za nesunta t ha t+1 um y na y -1 sun npanghetin ode zamenn. Zamena t-> t+i a ig -> ig + 1 heps en me hosingen urgan negotia-Torna - Task in 200? Physine owo Sethanoun morgranature (gran Tarlans James a gjagene) ean Copyrigo a Pi = qi. g. ne Kamjore i (zpago d'inepa) una Pi = Vi = P gre here i (ognoposatin yrago eienem p Ope, ip. 22); ear - m dugé a renear nomby D: D2, D; gra Karline To peracula yrappal? (clayer time to the construction of the spring). To harge Pi = 9: "

Earn 6 - heap yrap, De reposergui de De repu zamene ++1 -> ++4, hompor o chegiese D, a Di mosta or 145 mi.

Momeno Tarime procesa pulsate oupregeration,

li statophin Stock B - ogun of A, Di (um Di), c

Janethon 3 > 3+1, I - cionden og egunny, H
Tarial me it poka, egun hersen su um enge hot

mure -n (umge n) um 3-n um enge hot

To now mee.

Hast linguo, game i mortina se
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hert and monso inporta hestor optim ha Sop is

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plosop gone, nema monson and a, kase can mo

uni episch sin undergonamia, kase can mo

uni episch sin undergonamia molare is i me rechure

ce Se, iad a gad mon purme molare is i me rechure

chom in ham.

- 2.7. Due morgrenne untepupetan, un commen mos apapen, nemán por apapen mental mora por al meson, en grandeme unhape ante hora Do, momeno memo meson. John a pay mesme separan. Hercos expre seg muse:
- d) anaromeno Tory, no ejerano le [2], hen ogs gå henno gå anak mhaet beg, crimer a rucrement kosgrypm, nem kamgoro ar rae now more myselejennet P. 002022
- B) Trapaen normost payromene D

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 a locational rule en go unhagement horo P;

 a locational rule en go unhagement horo P;

 monthor anoma phase manney!.

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 To solde payromana Teapon Tpenia

 man geplach, 2 ran horo Teopen Tpenia

 man geplach, 2 ran horo Teopen Topenia

 o James agrapatae Terrice goragon estable,

 (o James agrapatae Terrice goragon estable,

 Torono agrangon appropria
 - lean gyp meren opere lone moran eromone spage G'

 lean gyp meren opere lone moran eromone spage G'

 a m+12' hepenmann. Tarja D 270 D(0)=A

 c m+12' hepenmann. Tarja D(0) h Tepreman

 spage G'. unispryper spage D(0) h Tepreman

 spage G'.

 ari, ari near head (a me micer) gyp G'.

 mep chogun 27) unispryper any new h Tepreman

 mep chogun 27) unispryper any new h Tepreman

8) - hapmant y: Za D(o) Typagn 6' Sepera D, 2 je no rometro 5=0. Tarja, nyen meng relien 5, △ mår D (3) 2/2 mgn 6' - e.c.m s gonzypupger lo heese menese wather granam -

Anda hester op un me gregon, upol aparan DG), le des epos s gangjupse me la hase menese walken grasomam. Der pacemen plenne mecregnero ugant massogna uniteporparan mo shorygoniquestal Tarlow D(3) - h muse peace waraemere hærgen Tormer mesterestere in via-Enemers gre kosquennint D(s) * 3 Ta usin epoperar, ne Siger le Teporasease beach gyr 6'. Trepshogner er me ergene recter G.

Biz momente, nomenten, a harre gjegne should whan in mognymean in 37 mm appealach, hange pacement perme D, sam six log moners, Kask T(1) um mography upoli asservoro T(5) apagea 6', Ecom System us leather unicprope-Tan un gra ompegermi eren D, Di, Di, Di grypuse, To use Taskme moment 5 sser nene rejoh ar a park ny v nemy t ursum & tan.

2.8. OSpanjemne Torono no yjezanimene upnemble j a 5 moment aryments give montprehend Taylan D, no swagggong nemin witherit hypory one the man ma P nep concentrate me ruense rain yruge G.



B wyrae gym, 3 in summe when summer Surve- See gyman (earn the he, To rain of wine), were very program and the survey the construct of a to store and the see great a troop of the property and have grand and a gepelale 6' a warrygamment and something the property and the corresponding and the corresponding and the corresponding and account of the corresponding account of the c

Eam G = 14 Suresem, To her uneen $c_i = -t$, $b_i = -3$.

Ean mongraved apong it pagemia ma 3, To conscious in conscious of the much mysers of when mensym marping the man party of the composition of -1.

Kartoha henvypeja henna uniep nje anne skorgogo.
n nemiah pej romenue Tarcoro & gue njeng harranom 6.

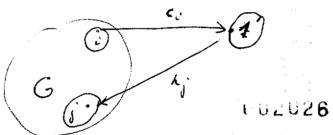
anorages oupegernien De 12'=1 (c-oquer anorages, H-ogra apporen). B Since B

 $A_{ij} = -a_{ij}$ $c_{ij} = -\sum_{j,l,p} + a_{ij}a_{ij}a_{ij}$ $A_{j} = -\sum_{j} a_{ij}a_{ij}$

Ha walnon gnaronam: cyrka moggren here
gpyrna 3 renemich apoka, a h B - enge negerenanes.

Tipo 5=0 Takon D coor herer hyer mar pringe

cocegatha aregground magna G':



Hu dyern G w hurn lymann a gran (6 = connet portant oprings), godolmen hymney 1', y kangor hymnen i E G le 1' uper gyra c lecor Ci, og 1' le ranggar j' E G uper gyra c hewr hj.

Eum um Sepen ble wrenn projument de c t le suploi et enersen, To un coorter a grow he la recon G' a ognor grow Trun a. " a proposition of man hj. " B was man descoper be rain II-12 yaga G, no Tarethe a paymente gp pre rain, many.

Ompegentert Tima Tychia, gre kotoporo le mare averaemuse gongpagger reche, covilaralyrongue heer rather II-K, moman, magnerap, mergener aregnon, un espagon.

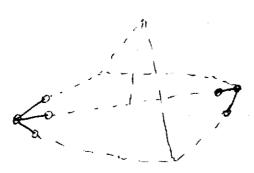
Tpigo TI-12 c racen narramen rueron n hapman at enant.

nomen 6 hapman atenan 3 n n-6 hapman at enant.

4 new pi Sqp ½ [6.3 + (n-6).2] = n + 3. Taskon apago

4 nomen pag Suta har gepelo c n-1 hapman n

2 zhezon nopagua 3 n 2:



anarouren pag Sahreran a resolon spyron yng TI-16

Tigas, get konsepertusia, ma cipant \triangle , g

that open his = tais (\pm - man um Synta),

that open his = tais (\pm - man um Synta),

a Snort \bot - my rebot. Kangen men pagrameter \triangle Sgier wgepmara no \Bbb{R}' menoministren as pagrameter

cipart a cionSynt \Bbb{C} a \Bbb{H} a $n-2\Bbb{R}$ menoministren

a snort \Bbb{B} - \Bbb{R} = 0, i, $n-2\Bbb{R}$ ay malare grandam,

and Snort \Bbb{B} - \Bbb{R} = 0, i, $n-2\Bbb{R}$ ay malare grandam,

Hymno nogodpara sumenia deci, ciji, hejs Task, rioša UUZUZ4

1) epign han nponghisehnin grugamura linga no seh namen - See me rae rive ngrong hegerine;

2) gjøgne, musike upong lagerind med hola hale me skatherick, med a no hog momenten granthe moselaherick, spulagerine, mejo Surase mende toma men upon spulagerine, mejo Surase mende til signi Testo de la til signi til signi

ma njourneps ineggramen Zagara.

Jigara G - heapment up ah amanig 'n wgepommi

me Sarre 4-se kepomma ci enem 24
Tendohana hepegow Sahanar zpagon 3 resupen
recense usen.

3. Dpyrne nårpur, n a unhapmani une no mas un.

Unhapeania i unhapeaniam momente momen no year Tareme you none rezolane Yopen maipur, ilejanensi i yragon.

Dre pymens yeren um rezolance majorin nezabnen nesse y merol - pazpezol. OSarano 37 n marpaya ompejendsoine ha ochobe hudepa hereviegore gepelia - virala T. Torja remjad og huse wygner no eguansión na pure, à ociarable use reciduzahen Tpanenozur, nen (a nepermoni zueren, eum Goppege). Muoro pozyvienial y me unit properties un gen i bun my Tasanson na program garasuba 9. A. Dandar, & rent moute on grager ply onfegrut even, zamenu , kot optis gret rucio gepelael [6n] a gan um-epoperanina , kosepsysmin. exish prestor opens mornsonsh, chezamans c France marformanne [65]. Herrorpeja hekent no systemme no summe me scapani chazzant Torno unhagnamen G e gouskupskammen T, a ganot on course cauzy you usely you almost 6 (micra 4-gyelal n recommen chezamin sprych i gannium ymeroma. Tweetern me rueram). Drue mergrenne unligenation, me galanciam of Landopa T, upurcoguitale innormazoha to mester oppe men a aromoe en ula menene

Tyta R VV - nat pring neg almennesse in userale neograps 6, coor her in hysom are gepily our oby T. TI pre les Sopre Spaper gepsha outska T', R upersaggetie & R', upp hen R' = PRQ /mui(2)

3 get a neperanohornat sent pring nopstyre m, coor her i hyrom, and neps eng neps m, in constant, T. e. pedep 6. Khaggs at mark man pring Propersion o Semembraer 3 = may apport R ha organisme use ruben here Hord han in me moggress 2. Cipytigps a men gong in men mai pour cym, en hearto Jalment of G; rank rametur, ent turesto arrojairen gan masio injehne hære dinse P, a mer elimense grap nyr. Fir, en en hender, wag jan T/2 yjanvin grun henvyregwhether an arms weeston men procume walks praside R nym Taylor upper Shazolania en (3.1). Tark noch gropingre njev Stagoh anna norprege R negalen name paspezol, dez amarine e Ta T', gongpuppper Te me P. O., To momeno mentarana no no sumpeliare R, RT, RT e yerre morgania hupamesum, me galmannen at T. Ogsa esta Tarkens nyten lipseg en morgentas ett to probbe no yschemen peggratatam A. A. Dandua. Die herriopen grugosking 3 gen, hombo

paccini pilate bore obige yeo Sugalahie (3.1),

u nema h kareale P gongacata he helipan
genene (no mygrito 2) mapina. For zami,

genene (no mygrito 2) mapina. I maida yucrid

no h Kareale bagna nyorapanaha yucrid

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ociola T.

a a a long p

Men uneen 3 get v=3 u 2-1 = 7 schazun, mensk

1 a Re 2 a B

> 3 1+2

1+3 a c p 2+3 a b b p

1+2+3

unertal horo (7) = 35 T point y mench,

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ne gymn, m

/3.2

my huse 7 cocio hi ny rumentar Jalinentara.

(hang 1,2,1+2; ...; 1+2,1+3,2+3), cregeliai estar

35-7=28 Tpoese, o Sheggromme Sague, y now

gepeloch 35 oca = 21, 7 Eagrach he sh
Nessian ciangapi hanna. Tipon rep: mecregame

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kangoe pedpo gongpagai no moli opono, a

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Wyleysh.

prania R upn njevskyskamutri (3,1) no prania R upn njevskyskamutri (3,1) no mogymo 2, 25e P- njong horoman mehrupompenguinat gemenat, a Q- nepri amohorman mar prina c nopregram wor he herew va m.

Replyment Syst reache To record,

the object errow only 3 reviews none GF(2).

The objection, of general onepayon prohibit.

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opopaga reprise y chain la osmon unique

oria. Mar, la occustada a, unispecypie 3

Tractual en in the GF(2) a objective reprise acces.

Tractual contra contra congrue volgament.

Commenses h obansion apongo ser inte manyo.

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The approximate of pression of the original original of the original of the original of the original of the original origina

 μ_{mp} , μ_{mp} μ_{mp}

Moment om upen Sprych anne (3.1) happyma refes mai purmere organi un happyment !.

Boz nomso, enn a sprine grosure monson. Bo housen wyre, underpresent to homew mayinta ny Tadaman 152) Tuna (3.2), zome amanon de luge narpuna 0,4 gne heopmagn 6 [Hack adnom gero e ap yragoda - Tan maro skosnigpol a ant en stantypoh me to pammeno?] 3 ta Tas man um met jour, à co gegoment le cese man pomy ymensh - Hlagungmen 2+3 & (3.2) me konsymi 2 maiping, The next {a, a} { a a ap} [xapyon, ap 5-2]

Ma gratimisa ymmin ik kan ming zazana engrano inggrangin nymedremen: matjour a 0, 1 (um 0, ±1)

M = V dis

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2 Je gong skarotak upp ong he ranse nepeng nep vin et pore a crosson de Harin unhapmanta a no et pour le

110 gjalmenna i nasjonegen A un Tenega u men meg alar en men mepeting mags any un ci /3 ore ~ ciondyst, T. e. nephon a hisport ungerec ogun e gjegens me diezamen. Yensomennen eg nomps skapnen men komen no symie skoops guesat a leruran e rassara murora neplani a higgere ungerelst, a gre man poemer unhappe unt house onge forme even time a Despara shoop grante herman e 2, 1 ungereux ognore ima

(Tarted negstone um Tarter the aport of

Siznagerenne herminn.

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O Soznana Bu = g - sto me ny relon her kings,

Tank 1600 A 4 = 1 x 102034

BAy = B(Ay) = B(Ax) = ABx = Ay,

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Bany lymnano ognozimanow within hos when

A u y, pryrapano in aportpenit with hos when

kustapakan gra A, engolini zrano a repai mori a A,

myserphisch gra A, engolini zrano a repai mori a A,

Ta me gan AB - BA.

Ein d # B, To scaperar epocaración mentas mormandas.

AB a BA or meradorial per manomerado 5.

A = (11)
$$A = \begin{pmatrix} 1 \\ 1 \end{pmatrix}$$

$$AA^{T} = \begin{pmatrix} 2 \\ 1 \end{pmatrix}$$

$$A^{T}A = \begin{pmatrix} 1 \\ 1 \end{pmatrix}$$

$$A^{T}A = \begin{pmatrix} 1 \\ 1 \end{pmatrix}$$

$$A^{T}A = \begin{pmatrix} 1 \\ 1 \end{pmatrix}$$

Vacition irgen colinagement zuerenne u reportediren hery relass scap astrejour messens meer upu glegse mo w Sesse grunnemme natpurpu un Thomas impolianages & de les exerce Sour ger andren Tarente Ministern Sagnon upper perconstrum men purph when apreph . Tipe . Disch when eme mente areggroungie. Tigata R - marpur, a many nyenny na zpompa Co c upong besten opposit yet when you your, you ren le manjoure marantanon hymne coorhervilger +1, a skonerson -1. Taya uponglegeme colegatha heapment apolichemore G. Eum me o Spezohana spoughejemme RTA, To su morgran " maipung weegathe" gr, zamenne drementale skrivpen zahren en egneman un. Ogsande, yn hen log nommen spreas ary me, sen

norganen, e Tarawinara go 5 m-n. Tot me nagrane. Typnimmentum mornison, sure gree RRT.

Tipotor manap: n=2, m=3

$$R = \begin{pmatrix} a & h & c \\ -a & -k & -c \end{pmatrix},$$

2) a, h, c palhon +1 mm -1, heg den en so agum or gayner; znem a = 2 = 1.

$$RR^{T} = \begin{pmatrix} 3 & -3 \\ -3 & 3 \end{pmatrix} \qquad \begin{pmatrix} 3+3 & -3 \\ -3 & 3+3 \end{pmatrix} = \begin{pmatrix} 3+6 \\ 3 & 3 \end{pmatrix}$$

$$R^{T}R = \begin{pmatrix} 2 & 2ah & 2ac \\ 2ak & 2 & 2bc \\ 2ac & 2ac & 2 \end{pmatrix}$$

$$2ac & 2ac & 2ac$$

By Jahnen work of grande a, h, c, up where pay-

$$\begin{vmatrix} 5+2 & 2ax & 2ax \\ 2ax & 3+2 & 24x \\ 2ax & 3+2 & 24x \\ 2ax & 24x & 5+2 \end{vmatrix} = (5+2)^3 + 2 \cdot 8 - 3 \cdot 4(5+2) = 3(3+63)^3$$

Anteparypa.

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arropriore humarehin

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prodoperasehine,

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