Moracba A.A. Brener 13.

- П вуществование инвармерот на мисковор. уровия 1-го интеграпа системо. Теорения виоби о посперием мистичете.
- В. Канан преобразования. произв. до-умя. своборные канан преобр. Моизв ф-уш помер проод.
- D hyems come only x = v(x) (+)

Cup. 9-yes FIX) may replan unverhanous merena (x),

lemm + x/4- plenemie (\*) formerieno: F(X/t) = court = d F(X/t) = 2F x =0.

=> 4mb: F(x) - neplow unrespan yn-e(x)

E) 1 OF; V>=0, YXE/R1

Ymo Tauce Me:

MC = 1 x: F(x)=C} - ypoleus nelloro unvertana.

JAMOTICA, TIMO ECMU XOEME, TO XHI- FRUIR & ME, 46, age X/t)-pellieure (4) e Mes. YOU. XOI-O-TIR Harris F-corpa Haleres agons remember.

The elmi delyx 40-TO V(Xx)- racaeras Mc & rosure Xx.

Te nouyraem que yn-e Ma Mc. - My Beur none V(x)/Mc.

=> notae yp-e: y = v\*(y) - HA + pagn neusure (a noupone now noopp

И шароваетая, что ееми отла имвар. Мера у исх. уп. г в общениющим np-be, no y nobaso ypre-nuce offer.

Tyout Film. Fulx)-neplose unverbaso.

ent. Our Enquer nepel to rome xx - come rank 1 of. . The // = K.

out 1 coon ynoteus replax nurerpanol) Typus C=(C1...Ck) EIR's

Mc:= 1 x c orderin np by: Filx=Ci; v=1.43 And Fi=C

Зам Еспи первые шейер Билы пришу первых свем. Уровия ку TO MC-maphoe MUDOOB. - Del pour de.

Teopena hyours ype &=V(x) gonyouaer what weeky a monioces p(x) 4 gonycuaer replace universano FICK. FICK). Ecule que e=(c...cu) e R": un respans gruny. Mepal. na Cobu. ynobue Mc - 1x: Filx = Ci; i=1. - u}, no Mc - mapure Muoroach u grep. ype y=v+(y) thy equiline yp. 1 x=v(x) ma redдопускает инвер. меру на вест многооб. Мс. Dou-bo: Doua por Rabele nova rouo, 4 gno R=8 1 garouse - no unpyregues) Nyeur F(x) - equil-equilet. 1-15 unite spen. no you: df(x) +0, earl x EMC=1x: F(x)=c} Bosonier many xxenc u le aprou. dF(x\*) +0 => +0 46 Mp re 4. spay after# +0, no +0 rance-no racriere reporteguas Cruralu, ruo SE +0 6 U. => no r. o ula luces gryun: Xu = Xu/Xu...Xu.z.e"F(Xu...Xu)Popular notice noopo: { yi=xi; I=1...n-1

gn = F(kn...xn) => l nobox papp: g ý = v(x); i=1...n-1
gi = 0 -1.11 f-tes wwesp. -> g(y) = g(x/y) / 2x/y) / - nonever what were you what with mega, melle one. С морим на усл. мизвить в шовогх когро.  $0 = \operatorname{div}(\tilde{\rho}\tilde{V}) = \underbrace{\tilde{z}}_{i=1}^{n} \underbrace{\eta(\tilde{\rho}\tilde{v}_{i})}_{\eta_{i}} + 0$   $= \underbrace{\eta(\tilde{\rho}\tilde{v}_{i})}_{\eta_{i}} + \underbrace{\eta_{i}}_{\eta_{i}} \underbrace{\eta_{i}}_{\eta_{i}} = 0, \operatorname{Tru}(\tilde{y}_{i} = 0, \operatorname{Tru}(\tilde{y} = 0, \operatorname{Tru}(\tilde{y}_{i} = 0, \operatorname{Tru}(\tilde{y}_{i} = 0, \operatorname{Tru}(\tilde{y} =$ F= S/Mc => S+- Mulap. · Mepa na Mc.

(F) 3) опр. уреся) штер в кварранурах, если исполоруя пошения Mueno gonyenemox onepayers, mouno naem onyece xeneme (8) 1) anesp. ouep. 2) rupep wirely or nybernox pyus 3) papernenere primer. yprs 4) moumo ucn. mem prum - nonunorus. puronot. aux corx ex Jul. syems uffection (n-1) replox unrespande Frix. In-1(x). Ecum oun gruny negal. & oup or orm, re rank & Th. ... Dx. / = ~ > N CLEERAL (\*) X=VIY) - MURE Phupyana bubagraysax teofema (show o nanephen muxuurne) Tyang ype x=vix)(4) -gonymoer mules melly e magnes nnonvocato (my p(x)) " uncer n-2 neglos x unsezfono Filx. Fn-2(x). Ecu & vene xo: 1) 1/x0/ +0 TO 8 Kenot out the Torner to, cucreses 1x) underfugues I resignating. Doubo: 3 anenen, ruio 7 och to u roucu xo, в nov. murifono gaying ugg. Mc = 1 x4: Filx = le ; v=1...n-2} C=(C1...Cu-2) Mc-ryeoreur 2-menuous nob ne Mix n xooff, n-2 yp-el He more sucreof mornes bleen spub noopp 4-1/2 File Bew. home V- racaetus Ac - The Me- que nob-to negles uning. => yp-e(+): x=v(x)-nofaup. yp-e jy=filyi'/2) #50 hay year, you les mulap. Mepa, no mas Me - nome spec => elub yne er 2-x nepeur 4 louis unbap. magra 2(4:1/2) => mon spourey. Bulepp-rymen 110 weep.

Das moro pacen. Sug. populy: W, = Ofedy, - Ofedyz. Jameney, you w, - Jamenyra - T.K dw, =0. My dw, = 2(4e) dy sdy, + 2(8fe) dy, 1 dy - 2 (41) dy 1 dy, - 2 (41) dy 1 dy = = = ( 0( 2/2) + 0(2/1) dy ndy =0 -> W - Januayra => not. hyaunepe-oua nou. norna FRE I- JAMILLI. p. yuch F(9, 1, y2): dF=W, = If2 dy1- If1 dy2 OF dy + OF dy, Tre for = Of z 0F = - Of1 nouverleur, mo F-mo 1-8 unrespan uchoer encreux: 3am vge Ma UM; run V(x) ±0? my give ano, the nor of \$0 -> opino y of unu of \$0 The Muneum yel, now she n=2 mynus u-1=1

Nefel. replace unseff- a 1 1-4 musesh

negal, norse deto. 2 Nauce. Wheoly. Whouls. By the clos. nauce. wheely. Muse A STA they maderine nowing

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out ganceur roope. a = 2(9,p,t)
                  D = P(9, Prt) may rano nuremos,
      еми при этог замене кана. Ворина сохр. в очер можем:
            dende-dunde-dende-dende (ne 7 m-mune)
  Умв. чеше преор корр кашинг, п ур. е пам. сохр. порерия;
          Dino 19 = 4p ~ crano 10 = \frac{9ie}{9p}
|\dot{\vec{p}}| = -\frac{9ie}{9p}
     lay popula ofue u ra nee -> aunque rop opue u ror nee, 

>> une of repulsore opurandore
   Eou t-puic, To cause theop-corps dPrdq=dPrdQ, Ht.
  umay: 2 00 9
    in nobae noche
  capae noohy
 Опр Ест мони (да) взоть в качесть мовох коорд
           The dicuino topogun f = Q = Q(q, p, t) \longrightarrow p = p(q, Q, t) - po 900 reag.

"Chargina" reason. Mang.
     Вопрос: а когра манию?
                  uy leau / 20 / +0 - TO NO T. D NE O BLOOS p you: p= p/9, Q, t)
                         \Rightarrow nogerabus \rho \beta L = P(9, P, t)
                             P=p/2, Qits
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No oup . ranou wheodo: one coxp wz, re wz = wz:
    dpndq-dKndt=dlndQ-dHndt.
 Wz = dw,
 Ho eque \omega_2 = \widetilde{\omega_2}, \infty \omega_1 = \widetilde{\omega_1} + d\Omega.
     => pdg - Hdt = PdQ - Hdt + oln.
  3apapun 17 8 roopp. 9, 9, t u najoben cë S/9, 9, t) - Mough. p yero
    => reacuse coope: W = pdq - Hdt = PdQ - Fdt + ds
                                                                10 dq + 25 dQ + 25 dt
   de, ola, dt-negab. guppe penyuano
   » при павишваем 180 гр.
    dq: p = \frac{2s}{2g}
    BQ: 1+ 95 =0
   dt: -H = -H + \frac{\partial s}{\partial t}
  P = \frac{\partial S}{\partial Q} + \left| \frac{\partial Q}{\partial p} \right| \neq 0 \Rightarrow \left| \frac{\partial \overline{P}}{\partial Q} \right| \neq 0 \Rightarrow \left| \frac{\partial^2 S}{\partial Q \partial Q} \right| \neq 0.
H = H + \frac{\partial S}{\partial E}
                                                Tu / 20 /= / 20 /
   Mohans: eenu no spenu moogno pyuno 819, art e yen. / 23/ +0,
               TO our nopopur cood kanar npersp
          1 = 98 = 819, 9, t) 1920/+0 Q = Q19, At)
           Проблема: своб. намом. преобр- ие группа
Тис женер. преобр- так не пенных.
          P = p - of QQ = 0 ⇒ UZ = 1-10 yr-e nor he bafajun prepy Q.
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что денать? прего другие подр: Pag-Hat=PaQ-Fiat+d11 d(Pa)-adp -> pdq-Hdt = -QdP-Hdt+dn, upe n=n+PQ => (1 A - bojonen ux 8 raneche noopp |P = 219, p, t) < nop  $|P = 219, p, t) \Rightarrow p = p(9, 2, t)$ - rak diceino, emu 101/00/ +0. -> Mugau n= 512, P, H Nogeralum: pdq-Hdb = -Qdl-Hdt + 2s dq + 2s dl + 2s dt Mejab. que preneuyuana: dg, de, dt => dq: p= 08 de:-0+08 =0 dt: -H =- Fi + Ds  $\Rightarrow \int \overline{P} = \frac{\partial S}{\partial Q} + 4CN \cdot MEBOD. |\frac{\partial \overline{P}}{\partial P}| + 0 \Rightarrow |\frac{\partial \overline{P}}{\partial P}| + 0 \Rightarrow |\frac{\partial S}{\partial Q}| + 0$ Te com an Bon, Kallee nyrs? no s mounes nhous pyear

S=qP+edust pyrue onpepeneur e vruoens pource. И оно удова. Усл. мевар: /25 /= 1E/=1 20.