1004 2012 Manoununel Kps. D nyewy bls) - sign x. Mucume see pecuesuus yp-8 menpep-m [ le Me + Da ( bMe) = 0
Mo = 80 Усмения: Согласно принципу суперпозиции (см пенция 2)  $Mt = P \circ e_t'$ , age | supp  $P \subset S(y, X_0) | X_t(y) - paulauce | X_t' = B(x_t)$ 1 12: 14.x) - Xe. mu guaraem, que peuenus yp. s myruno ucuar opequ ranux stis - so xi Mus He = 0 + 1 + b(xs, s) ds. CMOPMH HA YP-E XH) = gt gign xe(s) ds. Y Mero eems Thu permenus: XId=0 (T.K. Elme XIs) 20, 10 fx = 1 => XItl = XIs)+t X10/20, 70 f = -1 => X(c) = X0) - t) => [4=  $p \delta_t + q \delta_{-t} + 11p-q \delta_0$ ], rge  $p_1 q \in [9,1]$ . ben be peneurs ? 3) Myons & ECIR), I- uncer roun mouvers. Downs, rue come gus fly-percent f & Me + Ox ( & Me) = 0 banonica npurquen lyneprojuju, n unigenes 870: Ht uneem youn nouvers Vt6/92) lewence: Sput - fancing no out sp А притерия конпаниясь в 12 г это запинуться + ограниченност. => made maps governo orponure mucer &p Me y npunguna cyneprozugus energen, umo SPM = 1 %: 24- y - f bliss sk; ye spig NO I-Wheem ROUMANTHAN WORLINGTO NO ONE SON DIFF-> NEXUS BURGE FRIEZ Nyomo E- mio roverano, rompos в ограничено на 5-22/223 vance c 7, on be ever). -> pay 2+-y+ft blass)ds, To light R+t-C <2R Mosspelle Transporo R+TC < 2R, Te T:= R -> sput - oup ( u jamenys) -> Rounaus. 479. D haviou perceive 3x fly 4+ lx 16(x, 4) Mt) = 0 < yp. e Bracola

Mo-89; BER

Эта задача похоша на задачу 167 из пистия г, Pennences коюрую по разограми на пещии 5. Tan un guapanues, run mago neuen jenneune & bupe 8x1+1 Porfa XIII ygodn:  $\int \dot{x} = \delta(x, t) = \int y d\mu_1 = \delta(x + \delta(x + t))$   $\Rightarrow \text{ nonymore up. } \delta = \delta(x + t) = \int y d\mu_1 = \delta(x + \delta(x + t))$   $\Rightarrow \text{ nonymore up. } \delta = \delta(x + t) = \delta(x + t) = \delta(x + t)$ >> noryrum yp.e:  $\int_{|X|=a}^{x=x} \Rightarrow \int_{|X|=a}^{x=c} = \Rightarrow XH = a \cdot e^{t}$ => Roma Mt = 8No = 80et - pearence OMPAINO. and Equient, The black = Sxdu = uneno - me jabunum or x X Seeser no being willy 19 MAC & Neuguu 3 Borra Frehena Nho 7! perueurs yp-s bracolo. ry (5) Marimu q-yun ulkt) = int glyx17), ree fyx(s) = dis); se 1577

yx101 = 20 uconepolar neapers a gup-o u. gen=artyx Pennenne: Yx(1) = of d(3) ds. 9(4x(1)) = anetg (x+f d(s)ds) being monomunean any one  $g(x+f^{\dagger}a/s)ds) > ane fg(x+17-t)$ Muren oyenca garnaere nou dist=-1. -> mo weam Eng > Ulxitl= aretglx-11-t) ma gryus renpep u gupp 409 (6) Nyenis g-nunuiyela sop. g-yus na R 10 probleme, some prous unes = inf 1 1x-1/2 + g(y)} \_ son buyen percurence 87-8 Ut + Ma/2 = 0 40(08) xM. A Tholepone, and mo equied lague orp pulsacie mentes perience sono yn. & R Har. yen. eller ) = g(x). I noemaine miner g, raise i me ille mange grapp. Develue: Mer ype 1/4 + / Myl2 = 0 permanu menopon merezonowers вазност в пенуни 4 в осенням сеневре

Veye y use some reopens, rus com F, F- scenper gryun, Fz -> F non palus repus, We hope serve permenne your FE (x w(x), AW(x), AW(x)) =0 61, ue -ou nou paluou bil, no u-bija penienne yn e Flx, ulx, Delx, D'ux)-o. Hacigen bisqueence penicare yn-s f 14 + (Mx)2 = QNxx e normorgus necopajolaring grophum - Xonga - Kogna, one Rygen chemines  $\kappa$  inf  $\left\{\frac{|x-y|^2}{2t} + g(y)\right\}$ Morrierus u nousmus, a justier nou palicies, u nogrony ig

Tispeius no nongrun, vino M - bijk peninnu yp s hi - litel = 0. 1700, Espen 2 = 8 - & W = 8 - £ W => W = -28 lu 2. The yp.s  $\int \frac{dt}{t} = 0 \frac{\partial x}{\partial x}$  — les p na hyperoup,  $\frac{\partial x}{\partial x} = \int \frac{1}{|x-y|^2} e^{-\frac{|x-y|^2}{4\alpha t}} e^{-\frac{|x-y|^2}{4\alpha t$ => W(xt) = -28 ln / 1 1 1 - 1xy/2 - 3(y) 1 1 1 1 1 1 2 dy) No nemu y newywes,  $N(x,t) \Rightarrow pap \{3 \in [-|x-y|^2 - g(y)]\} = pap \{-|x-y|^2 - g(y)\}$ MO sup 1- 1x-y12 - g/g/f = laf 1 x-y12 - g/y/f. or no reopene: inf of 14412 + 9/9/3 son boys peneruccu yp-s Hi+ 1442=0. 2) MA US MUYUU 7 gouagary, 4000 Mirel - cot of fall. ) ds + ulyx101, of -son buyu percencent yp. s Ma Pan-quon -Ut + H(x,t, DU)=0. & IR dx/0,7)

A equivedenceme patien reprise no nongrana nan experiese nhuman » nam uguno grefunes, ruo apinigua epabuluus parenes Ins names nameromena H/Kel, p) = -p2 MA ran cuarana genagena oyenku 1/4-/4/= 0/12)

a noron nongranu nporeboperus cren, ruio 1xe/+1ye/= 0/2) -7+ H/XE, te; NE-YE +26x2) & 0 & -7+ H/YE; SE; XE-YE-269E) 7.6 27 = 40-10-144 ->0

One wanter ranuns romana Hirtips - 12: 27 = H/ye, se; xe-ye-2eye) - H/xe; te; xe-ye + 20xe) = (xe-ye - 20ye) (xe-ye + 20xe) = - 28 1/x2 2 - y23) +21x2-y2)(x2+y2)= 2/x2-y2)(x2+y2)(1+24) >0. May rongram 0:2000 - npon beperus 200 Tought W(x,t) = 0 MM x = 0 - The W(x,t) = inf / 1x-y= + g(y)} A Npu x 20, t >0 - MONEUSUCH. Ulxit = X-t - xce gugge bugne. Beo. (8) A = Ta1]; Flagus - a Sady. Marinu bee persones gaparu MFE: SP M < 10: F(a,m) = min F(b,m)} Ranne by Mux nongranise ware npeper palacel Hand to when uffouch? Verenue: 18 racque 7 un gougene net genobie n spyc ha: Flam)- min Flam). I Flage) du & Flage), \$6. B Mauein Cayrae: - Salfadu)du & - 8 (f bdy) -> - fade) 2 - & fade) = [ nus fadu=0, rospo (u=8)

nus fadu+e no na noso centacyaeu, nonymacu & = fadu y 8. 100 nogeration 8=1 - on 48 beprio. - fadu >1. Union na maine gla plumine: M=80 4 pr=81. no bee all => oreuga (u= 8x) 2) The landown = Flair pr); in = 1/89, + + 4000). Yen Ha publicol. Haus: # Flax; 80,+ . Sau + San) 30 Flax, 80,+ + 8au + 80N) and maries F. - ax ( 8+ + au + . + dr) = ax ( 0+ + + au + . + ar) , bx. 4-ja mouvaunoan mois pyun no au, Eugus, ruis an= 3, 4x. >> publich HALLO: A, = ... = ON = 1. >> HN = 1/8+ + +81) = N-81 = 81 -> 81 -> N=8- npeper

nequest

nequest OMBAM a) N= 8, N= 8,

(9) #= H.A. K).

Bep. weeks on the A - ensuperbasers ( for Mx) miso; mr + ANd - I 6 gug gryus na 12 k

F(K, m) = 0 x & b/m)

Doums, rue mepa 11 - peuceure japane MFG 3p 11 c 19: Flans = min Flans I M- Wella now min grylle &

Решения: Опять вапишем знв усповия:  $\int_A F(a,\mu) d\mu \in F(a,\mu), \ \forall \delta.$ 

Baneau, ruco y nose quesco non-los os proces process proces =>| F(a,u)du = f on 6/pd) dpq = < grade; m>. ( F(e,u) = 0 6(u) = 2 great 6; 10 ... 1, 0)>.

-> los uyaurame m, ymo. Lgradt; m> = Lgradt; D. +0), tb. And got very muo mi +0 - vonue tan, age go - numerous a mo sub rany ruo m=(0... m...0) - nerea nou man grace 27