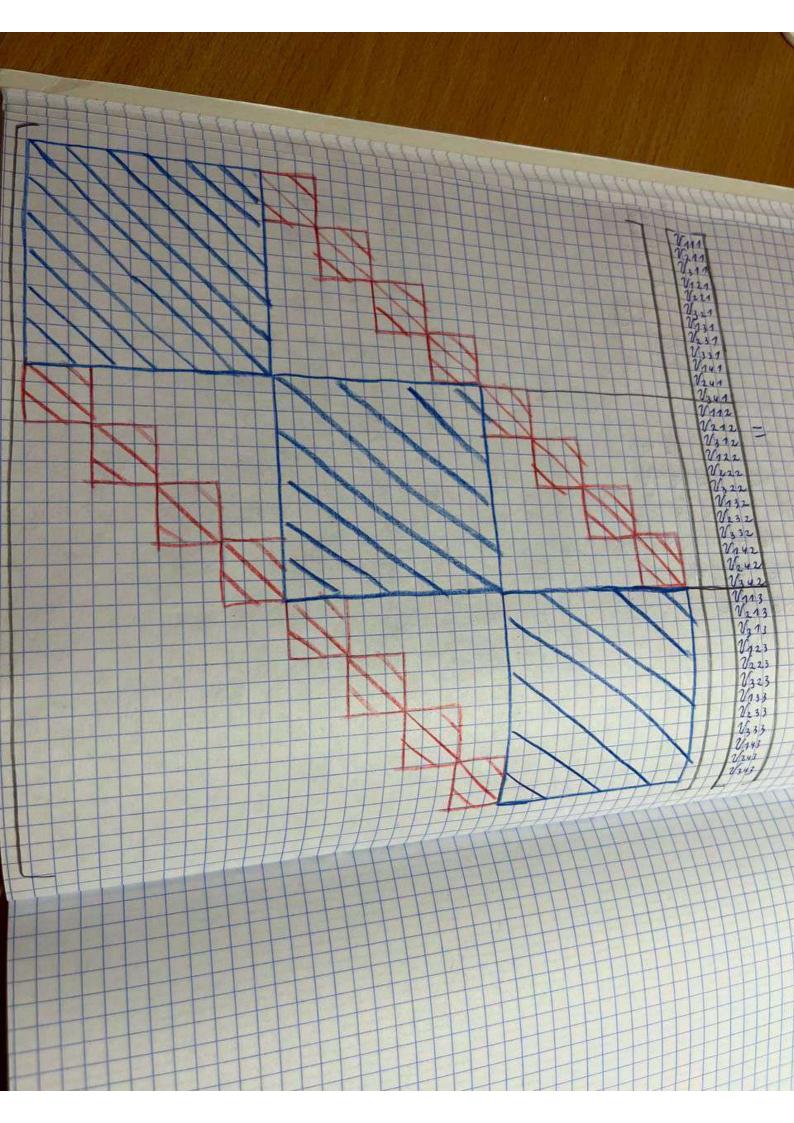
3 3 AA AHME; 4 Capulanin 1 Iman  $A = \frac{1}{2}(x, y, z) = -\frac{1}{2}(x, y, z)$   $\frac{1}{2}(x, y, z) = \frac{1}{2}(x, y, z)$ X E [ a, b]

4 6 [ c, d]

2 E [ V, S] My Сетка размернасти h = в - а ju Vig = Ju (X, y, 2g) [Vxx]18 + [Vyy]18 + [Vzz]18 = - fig [Vx=]189 = Vi-199 - 2V198 + V119 [ Vyg] ig = Vij-1g - 2 Vijg + Vij+1g [V2] 10g = Vij (g-1) - 2 Vijg + Vijg+1 WAKE = { 1/9 1=1, n-1 j = 1, m-1 \ - mounte VE1-11 AV = F,  $V \in \mathbb{R}^{(n-1)(m-1)(p-1)}$ 7 6 1974 V= (V111, V211, ..., Vn-1 m-1p-1) А - биочнаск трегодиононамоная матрица, CVES Comoun uz duckob 2-x munch: 1-4 ria gua

ronau, a Emopou boune u pume ce mancingun C. 7. mampungur pacnonomenur B kpyross In ropuna unu na ux rpannye Comacno In yung mansungna gua chaznon ceman In. Tourousmenue kpyrob Tepuropuna marce in C. 7. ueniam inpaka om m K mampunga cummernjurered, mo ( ~ general) =7 C.7 He nouskumentike det A +0 => \(\lambda\_i (A) \neq 0 Hayraemia, uno nampuna ampun enpegenera TR. K. A= A yunomun AV = F 1- (-1) = -AV=-F CAAY cam-in Temenue nougrennou (1A4 colonagaem C penun em AV=F (12 Vi-100 + 12 Vij-19 + 1 Vij-19 + 1 Vij-19 + 1 + 1 (5) Vijg+1 + fijg)

- 1-4 mun Suonal megreuse wyere A 我 xx co ru 五 1 K2 A F2 72 see, rimo 72 -2-i mun duoxal egeneno un-i u

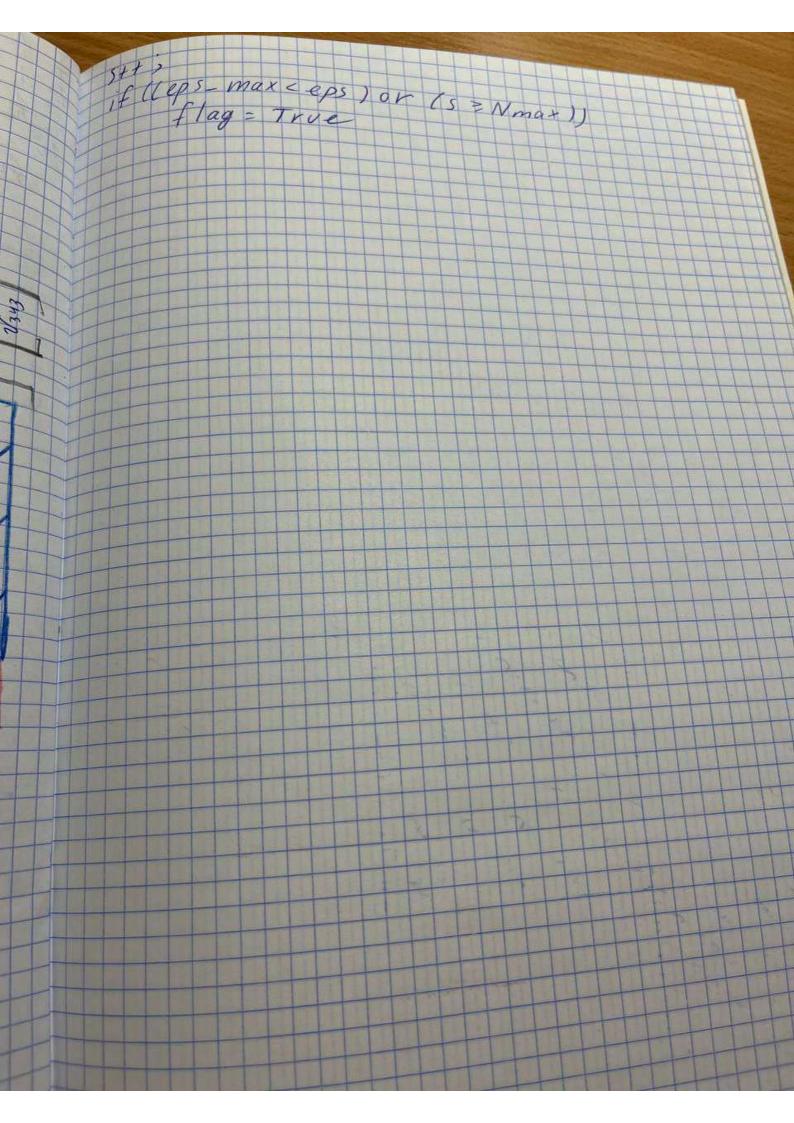


(X<sub>2</sub>, 2<sub>1</sub>) (X<sub>3</sub>, 2<sub>1</sub>) (O) - Ma(xx,yx) Mz M3 (82, 54) Ms (y2, 21)

Ms (y2, 21)

Ms (y2, 21) Jun (X1, 9, 4)  $\begin{array}{c} \mu_{1}(X_{2}, \xi_{1}) \\ \mu_{2}(X_{2}, \xi_{1}) \\ \mu_{2}(X_{3}, \xi_{2}) \\ \mu_{3}(X_{1}, \xi_{1}) \\ \mu_{4}(X_{2}, \xi_{2}) \\ \mu_{5}(X_{3}, \xi_{2}) \\ \end{array}$ - 1112 - 45 (43, 22) - 413 (42, 22) Us (y2, - 5322 +132 Us (y3, 22) 143 (y4, 22) 45 (y4, 22) O - +242 F113 +313 +123 +123 +323 - - 2 33 - 2 33 3 - 13 3 - 13 4 3

int Nmax = 10 000) 3 3 A A A int 5=0; 1 Iman double eps = 10; AU (X, y double eps max = 0; double eps\_cor = 0) u (x,y double as, Ka, ha, la) double VIn+1] [p+1]; double fentil [m+1][p+1] double a, b, c, d, r, s, double Vold, V- new, boot flag = False, h2 = - (6-a)2) 12 = - (S-V)2, 1109 az = - 2 (hz + Kz + (z)) CVXX while ( ) f) do { eps\_max = 0, for (g=1, g < P, g++) for (j=1, j < m, j++) for (i=1, i<n, i++) { V-old = V [ ] [ ] [ ] [ ] ; W V- new= 1 (-(h2.V[1+1][]][]]+ V[H] [j][g]) + K2 (V[i][j+1][g]+V[i][gj-1][g])+[i] (VC)][][][]+1]+V[][[][]-1])+f[][][] eps\_cur = abs (V\_old-V\_new) I+ (eps cur > eps max) { eps max = eps curs V[i][J] = V-new) }



1 ornerance occur. parsoso pemenus DI u romoso remenue the perimone any orangen - netwee na success execut you nogeration voruse jernense 25 (4) 2g) = 4 (xi, yi, 2g) - 41 = 119 - 2 4119 + 41 + 119 4139 = 4(x; 43 = 9) 41-119 = 4119 - h 4xisg + 12 4119 -1 3 1 1 + ht y 1 29) V X = - 12 h2 (4 ) 9, y 2 g) + (1 x 1 2 ) y 2 g) RELX: XX: + hi Dyura norpeunoctu angorususyu X = 1 1/4 1 1 1/4 4; 25) + 4 1/1 1/4 2/3) | \$ \frac{1}{9} \left( 1 4 1/4 4/3 2/3) | + 1 4 1/4 4/3 3/3 max 1 (1x42) & M, h2 isg = 12 max 1 My (xyz) & M2 k2 1/2 5 12 max / 11/4 (xyz) 1 5 M3 12 Ogenua 4 Vijg= 11 jg - 8(x; y; 2g) =0 / jg del hk 4 isg = [ 4x = ]isg + [49] bg + [4z = ]isg + fig = -1 4 13 12 1/2 1/2 1/2 1/3 29) + 62 1/4 1/4; y, Zg ) + 1/2 1/2 (x; y; Zg) + 1/2 1/2 (x; y; Zg) + 1/2 1/2 (x; y; Zg) + 4139) EM, hi+ M2 12+ M3 ET 19 ) E WHE CXEMA MARKERIM. 3 agrey according Toyte an grange 4 to 2 - blu hopging no by max 14/59 1 € M/h2 + M/2 162 + M

Charle MA 4 non execus 2 xx Jig + [245] 109 + [245] 159 - 21-159 -22ig + 21-16 Zij-19-22ijg+2ij+12+2ijg-1+22jg+Zijg+1 2 [ 4 xx 7; jg + [ 4 yy ] 3 yg + [ 4 z z ] ijg - [ 4 z ] ig - [ 4 z ] ] ig - LU2= 709 - 909 2 139 = 4139 - 10139 = 1139 - pol x, y, Zg) = 139 = 0 [ 2 xx ]; 5 + [ 2 y 5 ]; 5 + [ 2 zz ]; 6 = 1/3 Zug=419=0 Mayour Marcingun A-Marky Coeny V6 R(1-1)(p) VE Silaz DIXOGUM NO COZPRET. XYZ A-marpup PC Bagara Dupuno gno you Ryacisco econ com Cherne, 70 45 (AU) 20 => U 50 thegul 904-6 (AV) 13 2 0 US 3 RAWRENERPS CERTIFIED (MESCA) 1000 1000 wax 4: 1 -00, 000 ( - gouromaira da 14 / w) Versu - C > 0 BOSMONNO 2 Cry 00: I (U, U, W) - TORONO Z, BN YZEN 1-20 14Mg \$ (4,0,0) - VORCHOR - Myzer 2-20 hus ) 71 WVW) = 34H (AV) = AV341 + 12 /241 + E2 /331 + 6 /342 = - 2/ 12 + 12 /2/2 V841 + 72 V24 + 62 4331 + 62 4342 = 62 (1/241 - 1/341) + 6 (1/341 - 1/341) + + 72 (V342 - V342) - / 70 /3 1-

V331 5 V341 = C => A V34, 40, 40 no no yen AV34, 20 V342 5 V341 = C 1 yang yense release Atronoumo Epino gne motoro Pay pareseso y 3 mg 1-20 Juna Ble your (USW) - to 1 - 20 Rusa (AV)222 = 1/2 (V122 - V222) + 1/2 (V322 - V322) + 1/2 (V12 - V522) + 1/2 (V223 - V222) + 1/2 (V223 - V222) + 1/2 (V223 - V222) Vija & V222 > C70 Announce lepro gue nosoro de gas -> ous un ex approved train 2 h (x, y, 2) 70 112711 = max / Zija ) 112h /1-20 12 ijg s max 2ijg) = (6-a)2+(d-c)2+(s-r)2 n, m,p > 2 M/ h2/6 2/2) M=max Mmy aduyan norpenmecs 7 ony (1, 9, 2) = 11 (x, 9, 2) - 0 (x, 9, 2) 2h1s) = x1s)-x\* Bamantelbra norphinases BN + 58/x421-58/x42)

Jouble was 1 n + Nmax = 10000; int 5=0; Vouble eps =105 eps max = 0, 995 cut =0; Bouble G2 h2 K2, 6, 5 1 3 5 p+13 1 double + In+ 1 1 m+1 JE p+ 47 3 double a, 6, gd, e, f, r, s; do 46/10 V- DIV, V- NEW; int n m, p, J, g 1 h2 - 10-a) 2 1 12 = - (m)2 1 12 = - (S-1)2 C12 = - 2 / K2 + M2 + (2) 1 4 While IA == false do & 4 eps\_max=0 3 3 tor 19=1) 9(P,9++) 4 tor (j=1, J(m, j++) 4 for (1=1,12m, 1+1) & 3 1 619 = Krist > 610 N V\_new= /1-W) 92 VIIII VI 97 - W ( 12 ( 161+12) 2 J# 3/93+VI -1 V JIF93) - K2/VE 31 J+17E97+VI ] [] 2-129] +42/VE/3E/3E9-17+VE/3E/3E9-17) + W-FEI DEJ 3193 Vinew = V-may - a 1 eps-cur = a6s (VoH-V-new) EPSMax = eps-cur-

