Sciteme de cencilii diferentiale enviole amagene, le drollune 1, en exclisional constant Foluna generala: dx = and1 + 912 y2+ - - + ain yn de = anidit anily + --- + anily in in = (ali) henten un aitfel de sintern se parte detel-miner intataleanna un mitem fundamentale de salutii, deci salutta un generale. se canté satintée de farma: y= (#1). ett.
(Ai)i=1, n'es avoit coursante (#n). ett.
care ne var determina. dy = (Ar. A). Pr in Eventual in mixture, se ta aboptine: (A1/2 = a11. A1 + d22. A2+ -- + a1n. An A2/2 = a21. A1 + d22. A2+ -- - + d2n. An Anik = aniA1 + anz · Az + --+ ann · An S(an-A). A1 + a12. A2 + - - + din. An = 0 d21. An + (a22-M). A2 + - - + den An = 0 dni. At + dnz : Az+ ---+ (dm-4). An = 0

Aun dutient un n'item algebrie, auragen de Rest nitem advinte intotalement salution under Acest nitem advinte in salution to the continue of the continu n e exatici en 011-2 dir dis - - - din 11(h) = des des - - den = 0 ane due dus -- ann-h al matricei A => Mornermile (/2:/:=1:n mut

tac mai valarile plapini del matricei A => Algorithmel de regalinate: 1) Le calculenté par l'insumit calacté d'iste at mathicul A a caefécéenfélat miteune bis; PA(M) = det (A-MIN) = 0 50 se determint moderne paper elle mathérie à mintie, deci natarité paper de partie de The tento fiecase naturale proprie as defending ender water and the contestion of the contestions of the con

 $Y = \begin{pmatrix} y_1 \\ y_2 \\ y_n \end{pmatrix} = \begin{pmatrix} y_n & y_2 & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_2 & \cdots & y_n \\ y_n & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_2 & \cdots & y_n \\ y_n & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_2 & \cdots & y_n \\ y_n & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_2 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_2 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_2 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_2 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_2 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_2 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_2 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_2 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_2 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_2 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_2 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_1 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_1 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_1 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_1 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_1 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_1 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_1 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_1 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_1 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_1 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_1 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_1 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_1 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_1 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_1 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_1 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_1 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_1 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_1 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_1 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_1 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_1 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_1 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_1 & \cdots & y_n \\ y_n & \cdots & y_n & \cdots & y_n \end{pmatrix} \cdot \begin{pmatrix} y_1 & y_1 & \cdots & y_n \\ y_n$ Det exporter unwetantele réturtés : a valable preprir all matrice A rent rent relle of distincte preprir all matrice de mestigle DExistà valori prophii reale es surfigle.

(C) Hi ralari prophii countle energyate simple

(T) HI valori prophii countle energyate sunté 3) r=r; este valoare plassie moetifli, de Mo ardinal f ? 1. Se var eante selvati; plum metoda cacficientilar medetehuninati, de falma: Jahma:

Pa(X)

Pi'X unde patinaamele fort,

Pi(X)

Pi(X)

Re I, n an gradul p-1

n' caeficienti meditelunimate

n' caeficienti meditelunimate Annand coudella ea You all accasse farme ne nemtice n'interreul aurigen de cerratie Interentfall, se note face i'almostiquelle Interentfall, se note face i'almostiquelle au ?. na nawane, in final nu mai p eurstante arbathan in existimates comme in explimate satisfice evistante arbitate care caresquede finale. Salutha Yi unetiple de régliant, valarni proplini ti, na ateta antiel:

Edder Co hast 1, = d+is n' hz = d-is, Par le vas carespunde 1, n' y rathé en entérerent camples de la caurante la lon lois de 4 n' y 2 ne notifice satisfie Y, = Y++ Y2 m Yz = Y+- Y2, outre on taale caal dawatele wr. reale. casol D' hace toid eau plex conjugate mut melliple, se un placoda ea in easel sed. Exemple To sei re deter unive sa Entra generale a sistembre y n' 2 = functiils recurrente + = natialina independente dx = y+42 sinsemnt are caeffeiensi et. 1 dx = y+t (dt) = (1 4) (t) vous canta fortentie de falma:

y = (t) = (Cy = (A, h.eh) = (A,h).eh. List sherine:

(A,h.eh) = (A,h.eh) (Aeh)

(A,h).(eh) = (1,9).(A).eh /:eh(fo)

(A,h).(eh) = (1,9).(A).eh /:eh(fo) (A12) = (A14) = A1442 (2) {A11 = A1442 (2) {A21 = A14A2 ((1-h). An + 4A2 =0 (2) {(1-h 4).(A2) = (0) An + (1-h). Az =0 (1 1-h).(A2) siet. ad unte n' raluti neuele « det (A-16) =0

(1-h)-4=0; (1-12-2)(1-12)20; (-1-h)(3-h)20 extendent neitherlan proposi: X, =-1 = 5 \(\left(1-N) \cdot An + 4A2 \(\text{20} \) \\ \text{A1 + 4A2 \(\text{20} \) \\ \text{A1 + 2A2 \(\text{20} \) \\ \text{A1 + 2A2 \(\text{20} \) \} = 1 A1+2 A2 = 0; A1 = -2 A2; V, = (A1)= (-2 A2)= [-2] * V1=(-2)=> [Y1=(-2).ex] 1=3 = 5 {-2A1 + 4A2 = 0 (: 2 = 5 A1 -2A2 = 0 ; A1 = 2A2 $V_2 = \begin{pmatrix} A_1 \\ A_2 \end{pmatrix} = \begin{pmatrix} 2A_2 \\ A_2 \end{pmatrix} = \begin{pmatrix} 2 \\ 1 \end{pmatrix} \cdot A_2$ $\frac{\sqrt{2}}{\sqrt{42}} = \frac{\sqrt{42}}{\sqrt{42}} = \frac{\sqrt{42}}{\sqrt{$ $V = \begin{pmatrix} x \\ x \end{pmatrix} = L(x) \cdot \begin{pmatrix} c_1 \\ c_2 \end{pmatrix} = c_1 x, + c_1 x_2$ $y = \left(\frac{1}{2}\right) = \left(-\frac{1}{2}e^{x}\right) + \left(\frac{1}{2}e^{x}\right) = \left(-\frac{1}{2}e^{x}\right) + \left(\frac{1}{2}e^{x}\right) + \left(\frac{1}{2}e$ +9(2=0 => /y(x)=6.e3x

votele rectolului plaphin sentim a nalaare votele rectolului plaphin sentim a nalaare plaphie k a monthicci A on caloficientiles, eint plapationale en complementii algebraini ai elementelak ohim phima Gime a mathicai A-tin = An : [if, += 1, in H1 = A2 = annt complementi alge atrici ou elevertelle din phima livie on vrathice A-15h TH = (-1) (1-11) = 1-12 A-r Ir = (1-1); Tiz = (-1) Hz. 1 = -1 A1 = A2 1-4 = -1 Valuable $T_{II}(h)$ Valuable $T_{II}(h)$ $I_{II}(h)$ $I_{II}(h)$ nectorial al salutillar. Laludea generala a
nectorial al salutillar. Laludea generala a
pute multini: -x -2 e'x (C1) = [2 (1 e'x -2 lee'x)]
y=(\frac{1}{2}) = [2 e'x -e'x + (2)] (-1) = [2 e'x + (2)] Exemplate. fatable generale a sutemulivi: 15 -2 (x) 17 -6 (x) 19 -6 (x) dx = 3x-8y+4x # = - x+3y -2t (2) #= -3x+14y-62

pt. acest n'item se courte in Cutili et famua. | 3-1 -8 -2+2h | 3-h -8 -2+ch | 13-h 0 = 3-h 0 = 1-1 5-h 0 = 1-1 5 -3L2+L3 => (3-11 (x 5 1) = (3-x)(5-x)(-1) + (1-3/2)(-2+2/2)+8/2 = = 3h 2 -15h -17 45h - 2+2K +6K -6h 2+0K = =-13+212+ 12-2=0/-1=5/3-2/2-1/2=0. 九2(1-2)-(1-2)この一(1-2)(1-2)(1-2)(1-2) 九二一一1 九三二1 113-2 A-12= (3-12 -1 5-12 -6-1) Rodnile menti algebra.

4-12= (3-12 -1 5-12 -6-1) W. 1 ai lui A-12: 11= | 5-2 -2 | = (2+6)(2-5)+2P=2-52+62-20+20 = 2-1-52+62-20+20 Tiz=(-11+2)-1-2 |-(-1)(+6+2-6) +- 12 = 1,2 TB=(-143)-1 5=1=-14+3(5-1)=-14+3(5-1)=-14+15-3h
=[1-3h=Ti3

[13(h) T11 (11) or Charles 12/11 h2+12-2 1-3/2 -1 phaper -> V1 R1=-1 - Ve 九二1 -5 - V3 なこと Y= (x) = V1 e = (-1) e = (-2et) 4 = 4 e + 4 e $Y_2 = \begin{pmatrix} 2 \\ 2 \end{pmatrix}_2 = V_2 \cdot \ell^{\dagger} = \begin{pmatrix} 0 \\ -1 \end{pmatrix} \cdot \ell^{\dagger} = \begin{pmatrix} -1 \\ -2 \end{pmatrix} \cdot \ell^{\dagger} = \begin{pmatrix} -1 \\ -2 \end{pmatrix} \cdot \ell^{\dagger}$ $Y_3 = \begin{pmatrix} 12 \\ 4 \\ 4 \end{pmatrix}$ = $V_3 \cdot e^2 = \begin{pmatrix} 4 \\ -2 \end{pmatrix} \cdot e^2 = \begin{pmatrix} 4e^2 + 4e^2 \\ -5e^2 + 6e^2 \end{pmatrix}$ fat gen a sutemmen: Y=1, 1/1+Cz'/2+Cz'/3 Y= (x = (x, x) (c) (c) (c) (c) MA de 2 Metoda transfolination n'Acourtin de nechatii de arallier 1, intr-a singula ecuate de ardholl n, en caeficientel canstant. はなことなけた dt = y+2+ una dinthe cele à écuatié: - le derinlate plature: =1 y"=2y'+ ±1 - 4 de néiliteair a dans écratée, abin earl re expline 21: =1 2 = 4+2±

= 7" = 29'+ 9+27 den prima econotée de expladore ± = y'- 29 => y'-2y'-y=2(y-2y) 7"-271-7-29+47=0 y"-uy'+3y=0; y=en+=1 y'=n.ent; y"h.en (12-41+3)·exten/ierx = 12-4/1+3=0. Euretha caractemistich: 1 =16-12 = 4 Aus = 4±2 = / re = 3 = 1 = ext = y=crex+cresk / re = 3 = 1/2 = ext Det rational fin & folksing a relative enteridable, declusa our prima ecoatte: 2= y1-24 ; y1= (10x +302 e3x 2=y'-2y= (1ex+3cxe3x-2cxe3x 2 = -C1ex + C2 e3x J= C1 ex + C2 e x 3 x 3 x delent Carchy: [2/0/c1]

{ 2= -(1ex + C2 e) fol gen or ninternulive; Exercisión (Tomas) (D) A= (-1 2 -2) (10) A= (5 -3 2) 6 -4 4 4 ~4 5) PA(N=(->)(>+2)(>-4) 40(x)=(2-x)(x-1)(x-3) A1 = A2 Ti.(h) = Ti2(h) T13 (M)

coldret nataritar physin multiple. ractoda 1 -> metoda eact. medetek un'watt (1°29.3)

Coordanatele nectolului prophin care carespunde

nun ralahi plaphi Ps mut phajakkawake en

cample mentii algelunci ai cle mentelak du'n

phine a luwe a watthice (A-12/n). [A] Hace valuable prophie & = to ente unitifice de archite marchite de archite marchite propre unité action à carrespond accide valor playin se partie de accident valor de playin se partie de accident valor de playin se partie de la contre de proposi se pot abother out-fel: $Y_{01} = \left[\frac{F_{1}(h) \cdot e^{f \times}}{F_{12}(h) \cdot e^{h \times}} \right] \cdot Y_{02} = \left[\frac{\partial}{\partial h} \left(\frac{F_{11}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) \right] - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot e^{h \times}} \right) - \frac{\partial}{\partial h} \left(\frac{F_{12}(h) \cdot e^{h \times}}{F_{12}(h) \cdot$ $\sum_{n=1}^{m-1} \left(\prod_{n=1}^{m-1} \left(\prod_{$ cantainel salvation de Jahm y (8) et se al-Alexe ecuatia i reunten dx =4x-7 det (A-1/3)= | 4-1 -1 0 | = 0 dt = 3x+y-+ edt=++t => -(1-2) =0; 1,=1==1

talentaine complementai algetimes ou oben on me dima 1 a matericei (A-17):

[11/2] = | 1-12 -1 | = (1-12) | 1,2 (1) = (-1) | 1,2 (1) | 1,-12 | = (1-12) | 1,2 (1) | 1,-12 | = (1-12) | 1,2 (1) | 1,-12 | = (1-12) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 (1) | 1,2 $Y_{1} = \begin{cases} T_{12}(h) \cdot e^{ht} \\ T_{12}(h) \cdot e^{ht} \\ \end{bmatrix} = \begin{cases} (a-h)^{2} \cdot e^{ht} \\ (3h-h) \cdot e^{ht} \\ \end{bmatrix} = \begin{vmatrix} e^{2t} \\ 2e^{2t} \\ e^{2t} \\ \end{bmatrix}$ $T_{12}(h) \cdot e^{ht}$ $T_{12}(h) \cdot e^{ht}$ $= \begin{cases} 2 + 2t + t^{2} + 2t \\ 3t + 2t^{2} + 3t \end{cases} \cdot e^{2t} = \begin{cases} t^{2} + 4t + 2t \\ 2t + 6t \\ t^{2} + 2t \end{cases} \cdot e^{2t}$ $= \begin{cases} 1 + 2t + t^{2} + 2t \\ 2t + 6t \\ 2t + 2t \end{cases} \cdot e^{2t}$ $= \begin{cases} 1 + 2t + t^{2} + 2t \\ 2t + 6t \\ 2t + 2t \end{cases} \cdot e^{2t}$ Y= ()= (1. /4 + (3. /2 + (3. /3

Ewatii de six Enlor. (10) x'y"+xy'-y=0; x>0. Menta se face sociologopea de variable

denta x = et = 1 t = en x

11/2 se counta solution de falue

11/2 se counta rollintion de falue

y = x

y'= x. x i y"= n(k-1). x

h-1

x h-2

2 x h-2

3 x h-2

4 i'ndoren x. x. . &(h-1) + x. h. x. - x. = 0 + x [k(x-1) + x - 1) = 0/=> 1 = 1 = 0 ni-120 e evalia caractémisséen assu até evatfei son Enler. (N-1)(N+1)=0 = 1; le=-1. => | y = C1 × + C2 · + | . 1) shablewed cancily in eart. In ithale: Sy(1)=1 y'1x/= C1 - + C2 $\int \frac{1}{2^{n}} \frac{1}{2^{n}} = \int \frac{1}{2^{n}} \frac{1}{2^{n}} = \int \frac{1}{2^{n}} \frac{1}{2^{n}} = \int \frac{1}{2^{n}} \frac{1}{2^{n}} \frac{1}{2^{n}} = \int \frac{1}{2^{n}} \frac{1}{2^{n}} \frac{1}{2^{n}} \frac{1}{2^{n}} = \int \frac{1}{2^{n}} \frac$ I si se detelunime een atta Infelentiale cars
ad write drept nintern from dawnertal de salvitil
fractife yo = x po /2 = tele e functio
and he westick faptal en cele e functio mut limbar independente «

W(J1, J2) 40; W(J1,J2) = | y1 y2 | = | x + + | = ニーナーナモーシャナの、 6) Ecvalla cantesta se abstive de u candita en 3 salution alle ecvation métre l'imiare de prendente: « W(J, J, J2) = 0. y"(-+-+)->"(2)+y.(2)=0 -2, y"-2, y'+2, y =0/1-x | x y" + xy' - y = 0 |