Dz no guegregnus Xariaus Buimopuis 601-302

. We remember mo me me me in the I

$$y' = \frac{-2y(x,y)}{2y(x,y)}$$
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$$\left[\frac{\partial x}{\partial n}\left(\frac{\partial n}{\partial n}\right)\right]^{N=0} = \frac{\partial x}{\partial n}\left(\frac{\partial n}{\partial n}\right)^{N=0} = \delta_{n}(x)$$

Al - bom 3 norm

y=y y(0)=1

26068 yum we

$$\frac{df}{dx} = x_3 + \lambda f x_3$$

$$\times (0) = 1 + \lambda$$
Hornor
$$\frac{\partial h}{\partial x} \Big|_{R=0} = \delta(f)$$

$$\frac{\partial n_{s}}{\partial_{s}x} = \frac{\partial (s)}{\partial_{s}x} = 5x \frac{\partial n}{\partial x} + fx_{s} + 3x_{s} n_{t} \frac{\partial n}{\partial x}$$

$$\times |_{U=0} - \text{rese 3.000} \times X = X^2 ; \times (0) = 1$$

$$= -\frac{1}{4}; \times (0) = -\frac{1}{6} = 1 = 1 \times 10^{-1}$$

=>
$$(4) = -\frac{2}{t-1}(4) - t \cdot \frac{1}{(t-1)^3}$$

I Min. yp-ma c nepase. hosep.

P. D667

Y1=X, Y2=X5, Y3= [X5]

Ibseronce us one new .30l.

x2y" - 5xy3+5y = 0 (4)

C1x+ C2xx+C3/X15=0

1/2014 1/3202+ 1/3203=0 X = 1/2

C1=-116 C2=0 C2=0 => X,X,1X(5 C3=0 Myn. Mys. Lux (-1,1)

-1/2 Cx-4/32 Cz+1/32 C3=0 x=-112 1/10 Cx+1/105 C2+1/105 C3=0 x= 410

Ouben: Men

2668 9, 42 - rem. yp-ma y"-p(x)y) + q(x)y = 0

Makeunyum y, yz ruxos, & ospro = m. x = Xo

D-au: you yo - mm. zabucum

W(9, 42) = (9, 92)

4 x 61R W (4, 42) +0

home our run zab.

pu W(y, y2) & m. x0 - wuc. y1 4 y2

W= y1 (x0) - y2(x0) - y2(x0) .y) (x0) = 0, Tu. y} (x0) = y1 (x0) = 0

=> y, 4 y2 - mor zab. 4 m.a

2617 Cocumount nurs og 7, ogent vous les lagles,

X-3x, 2x2+8, 2x+3

Calx2-3x1 + C2(2x2+3)+ C3(2x+3) =0

X2: C1+2C2=0 => 6C2+2C3=0) mm. 306.

1: 36+363=0

```
5×1+9, 5×+3 - Now. 0003
       Dyry ce uo fullineu, ocumencio
   Mycu y - whouse here.
          y= (49,4(202 =1 W(y,4,132)=0
   W(4,41,42) = 3, 123-89 5x+3 = 5x+3 (13,-4x3,)-5(12,-82+6)2,)=
                                                                                                       Owlew A, (1x-15x+18)+15A-8A+5x=0
   C §9
     DG (1-enx)y" - \frac{1}{x}y - \frac{1}{x^2}y = (1-enx)^2
  P.M. Myburus Down.

Whomse -\frac{x}{2}\frac{a_1(4)}{a_2(4)}db = C(a(x)) = 2\left(\frac{a_1}{a_2}\right) = \frac{a_2}{a_2}

The magnetisms
  Yrogaen 4POY: Yr-x
   w(y, y) = Cexp(-1 dx / - Ld+=-1(x) = C(1-lux)
  \left(\frac{y}{y}\right) = \frac{x^2}{C(x-c^2)}
      = el 1- mx dx - [ du = dx x2 u=-1/x ] = c((lux-1)/x - 1 dx) =
                                                                                        = Cx(lnx-x)11x + Cx1x+ C2 = Cxlnx+ C2
      Ory: 4-CIGNX4CIX
                                                                                                C'(x)(PLX-1)=(lux-1)x
     Cy(x) (nx+Cy(x) = 1 - onx = ) Cy(x) = x - 
        (2/K) = - lub, C2/K) = X-Xlux + C2
       Unow: 4= 2 lnx + C1 lnx + x2 - x2 lnx + C1x
                                                                                                Ouben: y=Clenx+Czx+x-x2enx
D16 xy"-(2x+1)y+(x+1)y= 2x2e2x
4602: A= 6x
```

0607. $A = C \cdot x_{3} \cdot s_{4} + C \cdot s_{5}$ $-1 \cdot (A^{3})_{3} = \frac{s_{2}x}{C^{2}x_{3}} = C^{2}x_{3} + C^{2}s_{5}$ $-1 \cdot (A^{3})_{3} = \frac{s_{2}x}{C^{2}x_{4}} = C^{2}x_{3} + C^{2}s_{5}$ $-1 \cdot (A^{3})_{3} = \frac{s_{2}x}{C^{2}x_{5}} = C^{2}x_{5} + C^{2}s_{5}$ $-1 \cdot (A^{3})_{3} = \frac{s_{2}x}{C^{2}x_{5}} = C^{2}x_{5} + C^{2}s_{5}$ $-1 \cdot (A^{3})_{3} = \frac{s_{2}x}{C^{2}x_{5}} = C^{2}x_{5} + C^{2}s_{5}$ $-1 \cdot (A^{3})_{3} = \frac{s_{2}x}{C^{2}x_{5}} = C^{2}x_{5} + C^{2}s_{5}$ $-1 \cdot (A^{3})_{5} = \frac{s_{2}x}{C^{2}x_{5}} = C^{2}x_{5} + C^{2}s_{5}$ $-1 \cdot (A^{3})_{5} = \frac{s_{2}x}{C^{2}x_{5}} = C^{2}x_{5} + C^{2}s_{5}$

```
Cy(A) (Sk 6x + ky 6x) + 65(K) 6x = \frac{x}{5 \ksigma_5} \times \frac{1}{6(K)}
 63(x) x3 6x + 65 (x) 6x =0
 CZ(X)X2 + CZ(X) =0
                                                                 C3(x) = - x 6x
                                             Cy(K) = 6x
                                                                 C1(x)= - ex(x2-1x42)+ C2
                                             C1(x) = 6x + C1
  ()(x) x (2+x)+ Ci(x) = 2xex
nmo. A= 6x(6xxx+1xx-6xxx+6x5x-18x+6x)
                          Ornporn: A = 6x (C1x, + C5) + 56sx (x-1)
 DS3 x(x+x)y"+(4x+2)y+2g=6(x+1)
  4009: 19x=11x
M(2" 2) = C 6x6 (- ? x(x+1)qx) = x5(x+1)5
    1 x(x+1) dx = 2 ) (x+x+1) dx = 2 (rx+2 6 r) x+1+ C
= \left(\frac{\lambda^{4}}{\lambda^{3}}\right) = \frac{x_{1}(x+y)_{2}}{Cx_{1}} = \frac{(x+y)_{2}}{C} = Cy \frac{x+y}{4} + C^{2}
    0007: 9= x (x+x) + x
                                          (3(x) (x+1)2 = -6x
 \frac{C_{\lambda}(x)}{(x+1)^{2}} = \frac{C_{\lambda}(x)}{x} = 0
                                                                        C2(4) = 6(x+4)
                                          G'_{j}(x) = - \theta(x+y)_{j}
-\frac{(x_1 - x_1)_2}{C'(x)(x + x)} - \frac{x_2}{C'(x)} = \frac{x(x + x)}{C'(x + x)} - \frac{(x + x)_2}{C'(x)} + C'(x + x)
                                                                        Cz(x) = 3(x+1)2+Cz
now: A = -5(x+1) + 3(x+1) + 3(x+1) + Cs = x(x+1) + Cs + -5(x+5x+1) + 3x + 6x+3
                       Orpon: A= x(x1 x) + x + x + 5
 SFG
  x2y"+ xy+(x2-1/4)y=2x5/2ex
  4607: 9- 34mx
 w(y, y) = cexp(- 1 dx) = c
 (3) = 5x / 3 - C/3x / 2 - C/3x / C => 0602 A = C/2x / C C CXX
```

 $C_{3}(x) = -5xe_{x}25x$

(Cy(x)) 5/1/x + Cy(x) CR2x = 0

```
(3(x)=-5)x8x2xx9x = [92=6x2xx9x 2=2xx6x-0xx6x]=-5(x2xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx6x-0xx
    - \frac{5}{7} (2:1x 6x - 0 = x 6x) qx) = -5 (x 2:1x 6x - 0 = x 6x - 1 = 2:1x 6x - 0 = x 6x + 1 = 2 = x 6x + 1 = 2 = x 6x + 1 = x 6x 
      = -x5: ~xex+ x co>x ex - co>x ex + C1
             C(k) = 2) Kexcosxdx amon xs: NXEX1 XCOSX Ex-SINXEX+ C
MMOSO: A= 2/10x (X2:10x6x+ X CO) X Ex- 2:10x6x+ Cr) - 2x (X2:10x6x- XCO) x Ex+ Co2x 6x+ Cr)
                                                                            Ouben: y = Casinx , C2cosx + X-1ex
            9522 D47 Rycun Yuk), Yelx) - new yp-e
 (x) (x+2)y"-3y+y1x-x=0 c men you, y(10)=1 y2(0)=3
     (mes mechan magsoner sorms of to
              The M.D cycy. U ey. World; (20(x) +0: mu (-2, 1)
     5) Coumbineron un our PCP?
             W(y,y2)|x== 1021+0 => W(y,y2)+0 m B ognot m.
                                                                                                              => y1, y2 was nes u cocu PCP
      6) Kurum: W(y1, y2) | x2-1
             W(y,y,)=(exp()=3dx)=(e3en(x+2)=(x+2)3
                     nnux=0: 2=80=> 0=1/4 => W(y,y2)=1/4(x+2)3
                                                                                                                                                                                         => W(y, y2)|x=-1=1/4
            T1. D-ans, une yp-us because (s) he demen when 2 un. mez, peru, orp. 8 oup. myre to thouse upouzs.
(*) x3,xx,x(x-3,)2=0 ) D= corst 40 (0,40)
            Rycum missenice 2 minux pem. 9, 4 42
     W(y, y2) = Cexp(- ) = 1/x + 0 ru. on mem. reg.
```

|31 32 = 9x - ne our 6 oup. 0 9,42- 4,42 - orp. 6 oup. 0 min cymen a moors orp. op. 5 => wpounpotenne

III Teoperen epublicano Ulmypera

P. D723 D-vis: npu ((k) <0 Bes per yp-2 y", q(x)y=0 c nosore, mu yeu y(x)>0 ocumonica nosore, upu beex x > x=

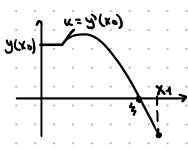
Pregnaeourus emo ne mun: 3x1: y(x1) & 0. Vorga 3 & 6 [X0, X-1: y(x) = 0

Crunwers, 4mo 2 - Human uz nover, rye g(x) = 0.

Vorya y(x) > 0 rev (x0,5)

Towa y(k) > y (x0) >0. Hu [x0,4) Ho y(x)=0 => monutoneme

4.mg



D726 Hasin paran menys object constitue remain & neupub. peu (1) Cusions mynes mornen cogeptie the K & Ca, B]?

(1)
$$y'' + my = 0$$
 $m = coust > 0$

Ryous wismis no

chiphina hom (4) & hom 26-12:

Tycen X13 4 X22 - Nocueyol. Mynn yp-3 (2)

Torya Xez=Xez+ &

Mycul Xy y Xzy - nocuesob, myny yp-a (1)

The M. Whypina: X12 & X14 < X24 & X22 ; X24 < X22 = X12 + 5 < X14 + 5

=> X2y-X1y = => \frac{\infty}{\infty} = \frac{\infty}{\infty} = \frac{\infty}{\infty} = \frac{\infty}{\infty} \fra

Bogoeseur W= N2 = M. Forga X2y-X1y = 5m Your nyres He XECO, BI:

Onben: d = 5m = 0.5m] evisios t win juin

C § 40

DZ D-MG: H MEMPUB. PRLY CULICEM NEW LO, 40) KONGUP. UKCEO MY MES

2 Jub: y 2 Q(x) y=0; Q(x) ≤ 1/42 x> a>0 (x) $y'' + \frac{1}{4(x^2+x)} = 0$ Q(x)= 1/2 x) < 1/2 => who x ∈ (1, +0) here anson to some of myno my CO17 boin movem more 1100 min

> . Lucy. and 4 (0+,0) and (= mosel motores man

```
(x) -> S, -5, \frac{1}{4} + S(\(\lambda \lambda \righta \right
```

D3 D-mg: 4 remail new yp-a (x) musery Jecu whose king ica (0,40)

4-xy4 60; x45 (6; (x1 2

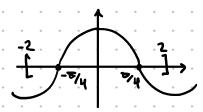
`Z``_1/4ZX`44Z=O `Z`'4`Z(4'-XYU)=O

Mu (-2;-2] 4 C2,40) me some of thyma (TK. Olk) oup.).
Ocumence nousam, 4mo ma C-2,21 me some 3 myres.

mr C-2,27:

Forga no m. Munipera D1 = N2+1 Documento novazana, 4ma D1 = 3, ma cena N2 = 2 Hazzer xoma Ju + rem (2) nuevoc, 4ma D2 = 2

Pycus u=co>2x.



Nz=2 w [-2,2] => N1 ≤ 3

73. 9(x)-μουρ., q(x) =0. D-mo: hpuebou seguru y"+q(x)y=0: y(λ)=A, y(b)=B.

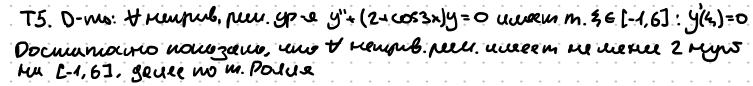
mu + A,B, α + B museu peu u ono egurundo.

1) cyclibbanie

e gy arango ene pural. E 288 mg

Tonga + oc-a buga Cryak) - peuroy

```
Ecuse (46) - manp. new. Hy, mo y(x)= (14,(x)-(2,4,(x)+(2,4)x) - pew. Hy
    Rogsereu C. u. Cz: y1(a)=A y1(b)=B
( Cigi(a) + Cigi(a) + 4(a) = A
                                                                                                             | + (θ) 4:(α) 4:(α) + 0
1 c, y, (8) + cz y, (6) + (e(6) = 8
To cueyen him by of a confirm the confirmation of supplied to the cultivation of the confirmation of the c
10 το βια (3) γ2(6) =0 cerasem y2(6) =0 => Δ= y2(6) γ2(α) +0 (α) +0 (α) γ2(α) +0 (α) γ2(α) +0 (α) γ2(α) γ2(α) +0 (α) γ2(α) γ2
      2) commentemento
   Myen I 2 rem. you yo
  Yi'+ ((x) y1 = f(x) Y(10) = y2(0) = A => Yx(x) - y2(x) = y(x)
                                                                                                                                           . A, or dresh = 0 . A (e) = 0 . A (e) = 0
   92, ((k) y2= +(k) - 4(6)=42(6)=B
  Mosserm, uno perispose e qle) = 0 une em soule 1 pegno per la. 63
                                                                            = 1 Mponuboperum cu. 43 m. Uhryneu
74. D.m. & menyul per up-e (x) nucen ma gesculocu = 3 mines
 (h) y"+2x2y+(2x+1)y=0
 Throop myburso:
A)=5,6<sub>k/2</sub>-X246-x3/2
  y"= z".ex3/3-x26x3/3-2.xex3/3-2(2xex3/3-x4ex3/3)
(x) Z''e-x3/3-22'x2ex3/3+2ex3/3 (x1-2x)+2x22'ex3/3-2x42ex3/3+2x2ex3/3+2x2ex3/3+2x2ex3/3+2x2ex3/3+2x2ex3/3
                   Z"+Z(x"-2x-2x"+2x+1)=0
                    2"+2(1-x4)=0
  Q(x)= (-x1=(1-x2)(1+x2)
   Q(x) &0 upu X27,1
  Porga tra xe (-0:-170/1,+0) he some I rema no cu. 43 m. Muypula
    Constina Sonosamo uno C-1,17 me 2000 o C Mores.
                                                                                         will signs rous. New 1.1.1]
    Q(x)=1-x' <1
     Z'42(1-X4)=0
                                                                                                          N2>N2-1 no m. Muypua
     U"+U=0
                                                                                                          N1 4 N2 41
                                                                               NZ
    Documente nousant, uno N1 = 2, m.e. N2 = 1
    U = Chiosx + Casinx
    Mychip M=Sinx
                                                                                       N2=1 => N452
```

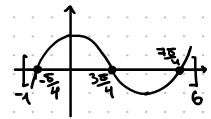


(i) ' y"+ y = 0 ' Nz>, N4-1 no m. Umopuu (2) y"+(2+cos3x)y=0 N2

Documeno voco noluzent, uno N2 22, m.e. N123 Husgerer Mer (4), your womoporo N123

U= Calosx + Czsinx

Mycm u= sin(x-4), 4=-5/4. Fugue: x=4,4+5,4+25



Na=3 ma [-1,6]

=> N2 > 2

76. D.m.

- a) 4 nampub. new yp-2 becara (2) uneen bech. nicho neus ren (0,+0) 5) Pacem. menne or construction of the construction of the contract of the con
- (4) x2y"+xy+(x-D2)y=0 D=const
- (A) $\frac{1}{\text{Minodo}} \leq \frac{1}{2} + \left(\sqrt{2} \frac{x_2}{\sqrt{12}}\right) \leq 0$
- a) Q(x)= 1+ 1/4-22 IC. H x7. C Q(x) >,42 = 1 H peut. unem Fect vororo ryns hu [1,+0) no cu. 12m. Umopeux Hu [0,1] Manger www Lynd => Umaro, Hu (0,+2)

 $O(x) = 1 + \frac{1}{14 - D^2}$ (Sin O(x) = 1 = 1 Cin O(x) = 1

Bozoderu (0(n) u.s.(r) mulus, 4mo Chilo²(n) = Chilo²(n) = 1; (0²(n) € Q(n) € N²(n) ∀r

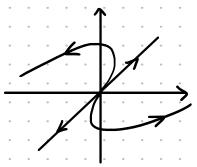
Vorga lim == lim == =) no m.02 ammy. Lim (x44- Kn) = 5

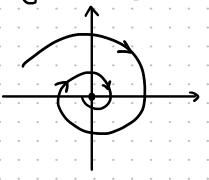
IV Ucingobarne nobeyerus pazoborx mpreumopus.

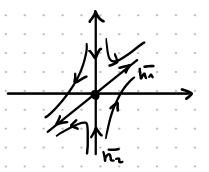
reyou you

$$\begin{pmatrix} 1 & -1 \\ 1 & -1 \end{pmatrix} \sim \begin{pmatrix} 1 & -1 \\ 0 & 0 \end{pmatrix} \Rightarrow \sqrt{L_1} = \begin{pmatrix} 1 \\ 1 \end{pmatrix}$$

=> mand orthogen

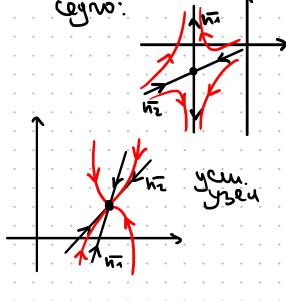




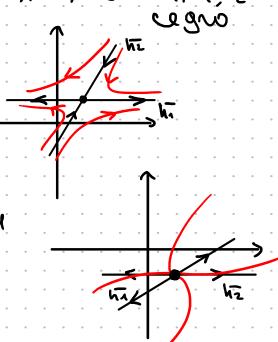


$$(1-2)(3-2) = 1 \quad h_{1}=(3)$$

$$\lambda = 1: \begin{pmatrix} 0 & 2 \\ 0 & 1 \end{pmatrix} = \lambda \quad \tilde{h}_{2} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$



.(4,4),(4,-4)



```
DST X+2x+x-2x2+1=0
                                                             landen waron
                                                              (1,0), (-1/2,0)
                             2x2-x-1=0 => X=1;-1/2
   1 y=-2y-x+2x2-1
4) (1,0)
             ・ゲーリャメ
   4-2
 11(x,y)=4=6; 12(x,y)=-50-x+5x2-1=-50-1-x+5xx+4+x-4=31-52+0(b)
2) (-112,0)
   U=X4112
             とうひしへ(ご
11/4/4)=4=4 (2/4/4)=-50-14+18-142/42-14+1/4)=-34-20+0(B)
 Theremone wormpus cecin.
          ~-~ (0 1)

5=34-25 (3-2)
                                  7(142)-3= 23+22-3=0 => 13=-3:1
                                                                 COPED.
 17=4: (-4: 1) =1 / 1/2=(1/2)
 (3 + 1)^{2} = (3 + 1)^{2} = (7)^{2} = (7)^{2}
 (-112,0): \dot{u}=v (0,1)
 y(y+s)+3 = y1+5y+3= (y+x)+5=0
                                         \binom{x}{y} = \binom{1}{2}
                      7=-1+521
                                            \begin{pmatrix} \dot{x} \\ \dot{y} \end{pmatrix} = \begin{pmatrix} 1 \\ -3 \end{pmatrix}
                        Lam acopine
 トント・タム
                    10- y 6 / = (y-a)(y-q)-Bc= y-y(0-9) + aq-Bc = 0
    y=cx+dy
                                                      Promod < BC:
                                                      Os SogragianBC>
```

0) ceipro: A. 2260 A1,2261R

B) yzew: 12.70 11,1261R

A1, A2 E R = D>0; (a+d)2-4(a-bc)>0 => (a-d)2+4bc>0 71772

> (03-95) + 509 =

= (079)s.20

(Broppe you. your .)

894. Доказа нейной системь

894. Доказать, что если какое-нибудь одно решение линейной системы дифференциальных уравнений устойчиво по Ляпунову, то устойчивы все решения этой системы.

メータイング・セイク

[] 24(4)- New J aus your.

(4) \$ 17(1)

(かをし(からで)(かんでは、(かかとで、アーカイ)(ライライ)

0=0 F. Holon waran win BA-E wine nango (=

Q(+)-you. => 46>0 35>0 Hren. x(+) [x(40)-Q(40)] < 5

=> 4 &>0 = 5 >0 4 rem ogn. cuch. \(\bar{y}(4): |\bar{y}(40)| \le 5 \\ \delta \\ \delt

Tie be peu ain you grobben. c onjulant peu ogn an