Asknom 10 Eustadis onfrio: a, S Astadis onfrio: B, J Keirpo: E

10:
$$y_{\perp} - \xi y_{2} + 4 = 0 =)$$
 $y_{1} - \xi y_{2} - 4 =)$ $y_{2} - \xi + y_{2} + 1 = 0$ $y_{1} + y_{2} + 1 = 0 =)$ $y_{2} - \xi + y_{2} + 1 = 0$ $y_{2} - \xi + y_{2} + 1 = 0$ $y_{2} - \xi + y_{2} + 1 = 0$ $y_{3} - \xi + y_{4} + 1 = 0$ $y_{4} - \xi + y_{4} + 1 = 0$ $y_{5} - \xi + y_{5} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 = 0$ $y_{6} - \xi + y_{6} + 1 =$

To sustent a anoxiver and to otable o ortico.

1° b
$$y_1 = -\frac{5}{2}$$
 $y_2 = -\frac{4}{2}$ $y_3 = -\frac{4}{2}$ $y_4 = -\frac{4}{2}$ $y_5 = -\frac{4}{2}$

$$= (2-r)^{2} = 0 = 74 - 4r + v^{2} = 0$$

$$- (2-r)^{2} = 0 = 74 - 4r + v^{2} = 0$$

$$- (2-r)^{2} = 0 = 74 - 4r + v^{2} = 0$$

$$- (2-r)^{2} = 0 = 74 - 4r + v^{2} = 0$$

ENER-1 LT'Ld=d>0 EXONE ORZEONER entero 10066011002 LO OUSTIMUS arollives and to STADEPO SINGLIO Kai OLYTIGEOIXÍI STU Scatpatha 5

1491 y=-8yx+20 y==8y,-16 $7^{\circ}\cdot 9^{\circ} = 2 \cdot 9^{\circ} = 2$ To stadepò sapeio cina virgo, Kar avristorixei sta Siajpappa E.

\$28p 2023 EP4Bl y'1 = -y2+1, y'2 = y1-y2+1 1. ブニー 2°: |A-Ir|= | [0-1] - [10-1] = |1-1-r|=0 $= 7 V + V^2 - 1(-17) = V^2 + V + 1 = 0 J \Delta = 1 - 4 \cdot 1 = -3 < 0$ KOU EXOLE La cusus Escia, apa aversonxel seu sa

A21 y1 = y1 - 24 = 1 y2 = 1 y1 + y2 y2 = <u>y1-y1</u> 17 mp/Jw: 4"1=y'1-242=0 7"1-9"1=-2 (=31+72) y"1-y'1-y'1-y'(y'-y') 1111-11 =- 11- - 11- 4 1 $y''' \perp - \pm y' \perp + 2y' = 0$, $\Delta = 4 - 4 \cdot 1 \cdot 2 = -4 \cdot 10$

$$y_{1(t)} = e^{t}(A_{L}(os(t) + A_{L}(sin(t)))$$

$$y_{1(t)} = e^{t}(A_{L}(os(t) + A_{L}(sin(t)) + e^{t}(-A_{L}(sin(t)) + A_{L}(os(t)))$$

$$= e^{t}(A_{L}(os(t) + A_{L}(sin(t)) - A_{L}(sin(t)) + A_{L}(os(t)))$$

$$= e^{t}(A_{L}(os(t)) + A_{L}(sin(t)) - A_{L}(sin(t)) + A_{L}(os(t))$$

$$y_{2(t)} = \frac{1}{2}(e^{t}(A_{L}(os(t)) + A_{L}(os(t)))$$

$$y_{2(t)} = \frac{1}{2}(e^{t}(A_{L}(os(t)) - A_{L}(os(t)))$$

$$y_{2(t)} = \frac{1}{2}(A_{L}(os(t)) - A_{L}(os(t)))$$

$$y_{2(t)} = \frac{1}{2}(A_{L}(os(t)) - A_{L}(os(t)))$$

$$A41 \quad y^{1}_{1} = -3y_{1} - 4y_{2}^{(1)}, \quad y^{1}_{2} = y_{1} + y_{2}^{(2)}$$

$$y^{2}_{2} = -\frac{3y_{1} - y_{1}^{(1)}}{L_{1}}$$

$$y^{1}_{1} = -3y_{1}^{(1)} - 4y_{2}^{(2)}$$

$$y^{1}_{1} + 3y_{1}^{(1)} = -4y_{1}^{(1)} - 4y_{2}^{(2)} = -4y_{1}^{(2)} + 3y_{1}^{(2)} = -4y_{1}^{(2)} + 3y_{1}^{(2)} + 2y_{1}^{(2)} + 4y_{1}^{(2)} = -4y_{1}^{(2)} + 3y_{1}^{(2)} + 4y_{1}^{(2)} = -4y_{1}^{(2)} + 4y_{1}^{(2)} = -4y_{1}^{(2$$

A5, A8, A10