

MISIC CESSEL

DAS & GOL B I CUIC G-8 (OU GGG).

(EIG CHEIL NOINIL CHISIDIL.

$$R=0$$
, $F=0$ $\Rightarrow \frac{dR}{dt}=0$, $\frac{dF}{dt}=0 \Rightarrow (0,0)$

$$R=1, F=0 \rightarrow \frac{dR}{dt} = 2, \frac{dF}{dt} = 0 \rightarrow (210)$$

MACH MENEUE

MERCA NORIE GUNA NIENER 319 PER 10/1 31 3 NAME UN CARD

$$2\frac{dy}{dt} = cx + dy$$
 . (The gamp). Point is significantly the significant of the signi

נפתב ל מערכת לא מוצמפת (כאסר עמומה אחת תאויה הסינה או נפתבת לאורי).

$$\int \frac{dx}{dt} = -2x \implies x(t) = c e^{-2t} \quad |x(t)|^{2} x(t) = 2e^{-2t}$$

$$X = 2(e^{-t})^2 \Rightarrow IX = 2y^2 I$$
 The sp shows by 181 on the 1811

MOIL UP I SIL SIEIRIA CHISIC CESTA.

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$$\frac{1}{3} \frac{dx}{dt} = -2x + 3y = \frac{2}{3} = -2x + 3c_1e^{-t} = \frac{2}{3} \frac{1}{3} \frac{dx}{dt} = -2x + 3c_1e^{-t} = \frac{2}{3} \frac{1}{3} \frac$$

$$\mathbb{I}\left(\frac{dy}{dt} = -y\right) \xrightarrow{373} y(t) = c_1 e^{-t}$$

Park sur unology I :

$$\frac{dx}{dt} = -2x + 34e^{-t} \Rightarrow e^{2t} \Rightarrow e^{2t}x^{1} + 2e^{2t}x = 3e^{2t} \cdot e^{-t} \Rightarrow$$

$$(e^{2t}x)' = 3e^{t} \Rightarrow e^{2t}x = 3c_1e^{t} + c_2 \Rightarrow x(t) = 3c_1e^{-t} + c_2e^{-2t}$$

$$y(6)=1 \Rightarrow y(1)=e^{-t} \rightarrow x(6) \Rightarrow 2=3+C_2 \Rightarrow C_2=-1$$

