		16 FA BABIES
R	esolves la ED	Pos sepasación de vasiables
1)	Jy = sen 5 x	$\Rightarrow 9(x) = sen 5x $
	Jy = sensxdX	
	$\int dy = \int sens \times dx$	u=5x du=5Jx
	$y+G=\frac{1}{5}\int sen(u)du$	
f 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	$\frac{9+c}{5} = \frac{1}{5} \div \cos(u)$	+ C2
	y = - cos 5x +	$C_{c}-C_{c}$
3)	dx + e3 xdy = 0	
	97 = - JX	$= 3 \frac{1}{3} = -e^{-3x} dx$ $= 3 \frac{1}{3} = -3 \frac{1}{3} = $
		$y+c = -\int e^{u} du = y+c = \frac{1}{3} e^{-3x} + c_{2}$
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		$y = e^{-3x} - c + cz$

4)
$$e^{x}y \frac{dy}{dx} = e^{-y} + e^{-x}e^{-y}$$

$$e^{x}y \frac{dy}{dx} = e^{-y} + e^{-x}e^{-y}$$

$$e^{x}y \frac{dy}{dx} = e^{-y}(1 + e^{-2x})$$

$$\frac{y}{e^{y}} \frac{dy}{dx} = \frac{1 + e^{-2x}}{e^{x}} \frac{dx}{dx}$$

$$\left(\frac{y}{e^{-y}} \frac{dy}{dy} = \int \frac{1 + e^{-2x}}{e^{x}} \frac{dx}{dx}\right)$$

$$\int y e^{y} dy = \int e^{-x} + e^{-2x - x} dx$$

$$\int y e^{y} dy = \int e^{-x} + e^{-2x - x} dx$$

$$\int y e^{y} dy = \int e^{-x} + e^{-2x - x} dx$$

$$\int y e^{y} dy = \int e^{-x} + e^{-2x - x} dx$$

$$\int \int ds = KS$$

$$\int \frac{JP}{P'.1-9} = \int 0 +$$

$$\frac{P}{1-P} = e^{t} \cdot e^{c}$$

B-A = 0

18)
$$\mu_{1} \frac{dN}{dt} = N + e^{t+2}$$

1+ $\frac{1}{N} \frac{dN}{dt} = t e^{t+2}$

1+ $\frac{1}{N} \frac{dN}{dt} = t e^{t+2}$

1- $\frac{1}{N} \frac{dN}{dt} = t e^$

$$\int \frac{1}{P - P^2} dP = \int dt$$

$$\int \frac{A(t-p)+BP}{P(1-p)} = t + C$$

$$\int \frac{1}{P} dP + \int \frac{1}{10} dP = t + C$$

$$\rho = \frac{e^{t+c}}{1+e^{t+c}}$$

Fracciones pasciales: el grado del Numerador & grado-denoninador

$$\frac{A}{P} + \frac{G}{(1-P)} = \frac{1}{P(1-P)}$$

	Va2-x2 Varme Vx2-a2
$\frac{24}{J_X} = \frac{4^2 - 1}{X^2 - 1}$	$X = asen\theta$ $X = asec\theta$
$\int \frac{dy}{y^2 - 1} = \int \frac{dx}{x^2 - 1}$	
	$\int_{u^{2}-1}^{u} \frac{1}{2} \ln \left \frac{u-1}{u+1} \right + C$
[In y-1 = 2 x-1 +C) 2 41
$\frac{y-1}{y+1} = \frac{x-1}{x+1} + C$	
Jx+y-x-A=xy-y+x+1+C	
y x + y - x y + y = 2 X	
y=\\\ +0	
W(2)=7	
$2 = \frac{2}{2}i^{2} + C \stackrel{(=)}{=} C = 0$	
y = x	

 $\frac{x^2dy}{dx} = y - xy \qquad y(-1) = -1$ $\frac{dy}{dx} = \frac{y(1-x)}{x^2}$ $l_{n}(y) = \int \frac{1-x}{x^2} dx$ $= \int_{X} X^{-2} dX - \int_{X} dX$ $|n|y| = \frac{x'}{-1} - |n|x| + C$ $\ln|y| = \frac{-1}{x} - \ln|x| + C$ $ln[xy] = C - \frac{1}{x}$ 41-1)=-1 $/ -1 = ce^{1} = > c = \frac{1}{e}$ 101×91= C - 1 $y = \underbrace{e^{-\frac{1}{x}}}_{x}$ y = Ce = = =

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