	lota 9 Box Maglin da (no. 11218818
D (" I
	y" + 4x - Sx = 6et
	F-(0) x (0,0)x
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Portur	
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	are as set of 1+4 (are t are t) - 5 (age t) 6et > xen) et t
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y (t	1: xc(t) + xp(t) = et + (1 e + (2 e +) x'(t) : et + et); 5 (1e + (0 e +)
	(0):00 (L1 (2=0 e x)(0):7=-Sa+(0+1):7
	$\int (1-1)^{-3} \lambda(1)^{2} - 6 + 6 + 6 + (1/4)$
	Co-L
.51	x - 2x + 2y=0
	(0)- (x') - (0)
	u equição civarbistica 1º 21 + 2:0 .7 h. Lti
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Jortun	D, Y'(): 6 CCC 6-20 6) 4
77	"-2x'+x: t [quyo (wadowtra: 12-2)+1:0 => 11:1
9	(0) = $1 \times (0)$
Torol	(d): areast folds the sound of
	p'(t) = (on + coat) = cla) (- dos + cly = 0
1	$\binom{n}{k} = 0$
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logo, vpld)=2+t, e x+t): (1et + coet)+2+t
on mo
J v(0): (18+ (280+2+0) =) (1:-1.
(x)(0) = e(4+e(4+e-0+1=1=) (2=0
Por Jim k(t): -et + 2+ty
al hith wort
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(e't)"+4(e't):0 3 12(4/20 3) 11:-4 e 12:0
Quan
· 11:-4 3 x1 (1) = Q (2 =) x(t) = x1(t) + Xa(t)
· \2:0 > xoli). (0 => x(t): (10 + (0)
Mor also, x + 4x : 1200 t
3 { vert - as sen (t) + an rost 3 - across (t) - as sen (t) + 4 (-as sen (t) + apros (t)) - 12 ros (t)
17 17 17
Logo (xg(t): -12 cos(t) + 49 sm(t)
Poilain
(1) = y(t) + xe(t) = -1200 (t) + 480en(t) + (1) = + (0) = 1 miledy
. 17 . 17
b) h(t): 12 as 2t
Pa (0) x(t): (1e + Ca
Ale dish x"+ 4x=12005 22
5 ye (+ - 2 as sen (2+) + 200 (0) (21) = -401 (0) (21) - 402 sen (21) + 4 (-201 sen (21) + 202 (0) (21)
1 /p(t) = -4a1 (a) (2t) -4a2 sen (2t) = 12(a) 2t = a1 = 3/5 (a) = -6/5
Portuito, -ut 1-1-1
-3 (05 (21) + 6 sm (21) + a e + a > /mlade
SS

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