$$7 = 6 \quad P = 56 \dots \qquad 7 = 12 \quad P = 111$$

$$56 = a \left(\frac{6}{4} \right)^{2} - 56 = a \left(\frac{1}{4} \right)^{2} - 111$$

$$a \left(\frac{1}{4} \right)^{2} - \left(\frac{1}{4} \right)^{2} = 55 \quad \text{and} \quad A$$

$$\frac{111}{c^{12k}} = \frac{56}{c^{6k}}$$

$$\frac{111}{56} = c^{6k}$$

$$k = 0.114$$

em d

$$V'' + 4V' + 4V = 0$$

$$r^2 + 4r + 4 = 0$$

-4 ± $\sqrt{16 - 4(4)(1)}$

$$V_{(x)} = C_1 C^{-2x} + C_2 \times C^{-2x}$$

$$V_{(x)} = \frac{6}{2} \frac{1}{2} \frac{-2x}{2} + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \frac{-2x}{2} + \frac{1}{2} \frac{-2x}{2} \right) \right)$$

 $(10x^3y^4 + 0^{-y} + 3500(4x+34)) dy =$ - (6x7y5+4sen(4x+3y)+2) (10x3y4e-4+3500(4x+34)dy+(62y5+4500(4x+3y)+2)dx=0 1 = 30x 34+0 + 12 cos(4x+3y) $\frac{\partial N}{\partial V} = 30y^{4}z^{2} + 12\cos(4x + 3y)$ les Dancedes Porcheles Son igaales ende comple con el critario

M=10x3y4+e-9+3scm(4x+34)= IF 10x3) yady + 10-9dy + 3, (son (4x+34)) 10x3 15 + -0-5 + . sen(4x) sen(34) - (Cosky) (Cos(3y) + (N= 6x2y5+4Sen(4x+34)+2 = JF Integrams N 6y5 J x2dx + 4 Son (2x+34) 6x + 2/dx 6y5-x3 + Son(3y) Son(4x) - Cosl3y) Cod(x) +2x+(g Paxi41 = 635 x 1 San(34) San(44) - Cos(34) Cos(4x) + 10x3 y5+1-0-4) + SON(4x)SOM(34) -Cos (AX) Cos (34) + C

$$\frac{dS}{dt} = 109 + 1.25 - 5 = 100 + 1.5 - 5 = 100 + 1.5 - 5 = 100 + 1.5 = 100$$

 $M = \frac{100 + 80}{13} = \frac{100$

$$P = \frac{10(100+80) + C(100+80)8}{13}$$

$$S = \frac{10(100+80)}{13} + C(100+80)^{-\frac{5}{8}}$$

$$\frac{5}{50} = \frac{1000}{13} + C(100) - \frac{5}{8}$$

$$C = -478.76$$

$$S = \frac{10(100+80)}{13} =$$

$$3 = \frac{10(100+8t)-476.46(100+8t)^{-5/8}}{13}$$

4) = 100+87

la función del Volumon del Volumon Stempre va a creat el volumon del agua 5)

$$\frac{c1x_{1}}{de} = \frac{404b}{nm} + \frac{424b}{mm} - \frac{99a}{160 + (6-9)}e$$

$$\frac{dx_{1}}{de} = \frac{40 + x_{2} - 9x_{1}}{160 - 3e}$$

$$\frac{dx_2}{dc} = 5x_1 \frac{b}{ma_1} - \frac{5x_2}{160} \frac{b}{min}$$

$$\frac{dx_2}{dc} = 5x_1 - 5x_2$$

$$\frac{dx_2}{dc} = \frac{5}{160}$$

$$(Dx_1 = 40+x_2 - 9x_1)$$

DX2= 5x, -5x2

15 DAN DX2

 $D^2 \times_1 = O + D \times_2 - Q D \times_1$ 100 - 3c

3