step 11- Read [x,y]; m=1, c=-1, n=0.1, epochs =2, ns=2 Step + 14 (140 > epochos) stepz!- iter=1 agets of ap steps! - de = - 1 sel yi-mai - Odi Equ'z otop 2-1[(3.4-1x0.2+1)0.2+(3.8-0.4+1)0.4] =-{ [(4.2)0.2+(4.4)0.4] [0.0(319.8) FOO(30+8)] }-[0.0(319.8) FOO(30+8)] }am = -1/3 [A d d d + 13 A F 0] } =

 $\frac{\partial c}{\partial c} = -\frac{1}{2} \left[(4_1 - m_{11} - c) + (4_2 - m_{12} - c) \right]$ $= -\frac{1}{2} \left[(3.4 - 0.2 + i) + (3.8 - 0.4 + i) \right]$ $= -\frac{1}{2} \left[(4.2 + 4.4) \right]$ $= -\frac{1}{2} \left[(8.6) \right]$ $= -\frac{1}{2} \left[(8.6) \right]$

```
DC=-dxge
Step4 !- DM=-gxde
         =-0.1x-1.3 =-0.1x-4.3
      am = 0.13 signo a goloveb. 12/2000 / 10 or h
step5; m=m+0m c=c+0c
         = 1+0.13
                        = -140.43
 m=1:13
2>2
         goto steps
       goto step 2
          goto step3
Step 3! DE = 1 [(y,-ma,-c)a, +(y,-ma,-c)a2]
          =-1 [ (3.4-6x1.13x0.2+0.57)0.2+(3.8-1.13x0.4+0.67)
          J. 16. 1907 + COL. 190. H.]
           = -[ (3.744)0.2+(3.918)0.4]
           == 1 [07488+1.5672]
        3E =-1.158
       3c = -[(d1-2001-c) + (d5-2007-c)]

5c = -[(d1-2001-c) + (d5-2007-c)]
          =-- [(3.4-1.13x0.2+0.57)+(3.8-1.13x0.4+0.57)
          =-1[3.744+3.918]
```

at 2-3.831 step4 : $\Delta m = -\eta \times \partial \epsilon$ $\Delta c = -\eta \times \partial \epsilon$ =-0.1 x -3.831 =-0-1x+1.158 sm = 0.1158 C=C+AC 158 = -0.57+0.3631 step5 - m=m+1m =1.13+0.1158 C = -0.18 1011 -1 cqol2 m=1,24 exces : 3. = 28 =>20) =4 step 6 '- borr = 2+1=3 9= (8) c= pe= +6 Step 7: - of (iters epochs) goto step & AX10.0 -= 16 18 - 3 x A -! A9 x ap = 1 34 = -0.00 = = 40 = 0.00 ps steps! - print m, c m=1,24 , L= +0.18 900-83 pp. c= 1 (2010) opo (2) \$1 - 1 = 90+2