Step1: 
$$\eta = 0.1$$
, epoch = 2,  $\chi = 1.0$   
 $m = 1$ ,  $c = 1$ ,  $G_m = hc = 0$ ,  $e = 10^8$   $0.2.13-4$   
 $0.4 = 3.8$   
 $17, y = 1.0$   
Step 2:  $tu = 0$ 

$$\frac{\text{Slepy i- }g_{m}=-(y_{1}-mx_{1}-c)x_{1}=-0.44}{9c=-(y_{1}-mx_{1}-c)=-2.2}$$

Step 7: 
$$G_{m} = G_{m} + (g_{m})^{2} = 0.1936$$
  
 $G_{c} = G_{c} + (g_{c})^{2} = 4.84$ 

Step 6 i- 
$$\Delta m = -N$$
  $g_m = 0.1$ 

Stept: 
$$m = m + \Delta m = 1.1$$

$$c = c + \Delta c = 1.1$$

Step 10; - If isample × noog sample) cstep)

Step 10; - 
$$9m = -(4i - mx_i - 4) \times i = -0.904$$
 $9i = -(4i - mx_i - 4) = -2.26$ 

(

Slep11: 
$$Am = Am + (g_m)^2 = 1.010$$
 $Ac = Ac + aaa(g_c)^2 = q.9476$ 

Slep12:  $Am = Ac = Ac = 0.089916$ 
 $Ac = Ac + ac = 0.04165$ 
 $Ac = Ac + ac = 0.04165$ 

Slep13:  $Ac = Ac + ac = 0.04165$ 

Slep13:  $Ac = Ac + ac = 0.04165$ 

Slep14:  $Ac = Ac + ac = 0.04165$ 

Slep15:  $Ac = Ac + ac = 0.04165$ 

Slep16:  $Ac = Ac + ac = 0.04165$ 

Slep16:  $Ac = Ac + ac = 0.04165$ 

Slep16:  $Ac = Ac + ac = 0.04165$ 

Slep19:  $Ac = Ac + ac = 0.04165$ 
 $Ac =$ 

Step2 :- m=m+Dm= 1.226.728 C = C+DC = 1,225023 Step 22: - Sample = Sample +1 =0+1=1 Step23: - If ( Sample x no. of samples) Cstyr Stepsy: gm = - (4:-mx,-()x,=-0.833. gc = - (4: - mx: - () = -2:084285 Step 25: - 6 4m=4m+(9m)=1.864356  $G_{c} = G_{c} + (g_{c})^{2} = 18.25338$ Step26: - grand + Am) o la. Carche DM = - N gm = 0.061059  $\Delta C = \frac{-N}{V_{G_1} + \epsilon} g_c = 0.04 + 78$ Step27:- m=m+1m= 1.28778 C=C+1C = 1-27380 Step 28: - Sampl= Sample+1=1+1=2 tep25+ If (sample < ng). step io Step30 itu= 1+1=2. Step 31: "H(itizepoch)

Step 32 i- print (m,1) m = 1.28778 C = 1.273808