first two samples.

Step-1: xy, m=1, c=-1, n=0.1, epochs=2, 2=0.9,

Vm = Vc =0

Step-3: sample =1

sample =
$$1$$
 $q_m = \frac{\partial E}{\partial E} = \frac{\partial E}{\partial E}$

Step-4:
$$g_m = \frac{\partial E}{\partial m} = -(3.4 - (1+(0.9)0)0.2 - (-1+(0.9)0)$$

$$g_{c} = \frac{\partial E}{\partial c} = -(3.4 - (140.916) 0.2 - (-1+(0.9)0)$$

Vm= 8Vm- 2gm

Vc = YVE-ngc

= (0.9)0-(-0.1) x (-0.84) = -0.084

= (0.9)0-(-0.1)(-4.2)=-0.42

```
Step-6: m= m+1/m = 1-0.084 = 0.916
         c = c + 4 = -1 - 0.42 = -1.42
 Step-7: sample = 1+1=2
 Step-8! if (2>2)
              goto step 9
         else
goto step 4
Step-4: 9m= 8E = - (3.8- (0.916+(0.9x-0.084)) 0.4
                   - (-1,42+(0,9x-0,084) x0.4)
               = -1.983
        9c= SE = -4.954
Step-S: Vm= 8Vm-ngm
           = (0.9 x -0.084) - (-0.1 x -1.983) = -0.2739
     Vi = VK-ngc
        = (0.9 x -0.42) - (-0.1 x 4.959) = -0.8739
Step-6: m=m+m=0.916-0.2739=0.6421
         c = c+4= -1.42 - 0.8739 = -2.2939
Step-7: sample =2+1=3
Step-8: if (3>2)
             goto step9
 Step-9: itr = 1+1=2
```

else goto Step 3

step-3: sample = |

Step-4:
$$\frac{\partial E}{\partial m} = -(3.4 - (0.642 + (0.9 \times 0.273)) \times 0.2 - (-2.293 + (0.9 \times -0.273) \times 0.2))$$

= +1.171

 $\frac{\partial E}{\partial c} = -5.859$

Step-5: $V_m = 0.9 \times (-0.273) - (-0.1 \times -1.74)$

= -0.3627

 $V_c = (0.9)(-0.873) - (-0.1)(-5.859)$

Step-6: $m = 0.6421 + (-0.3627) = 0.2794$
 $c = -2.2939 - 1.3707 = -3.6646$

Step-7: Sample = $1+1=2$

Step-8: $if(2>2)$

Step-10: if (2>2)

goto step 11

else
goto step 4

$$\frac{5\text{tep-4}}{9m} = \frac{3E}{6m} = -(3.8 - (0.279 + (0.9 \times -0.3627)) \times 0.4$$

$$-(-3.6646 + (0.9 \times -0.3627) \times 0.4)$$

$$= -2.985$$

goto step 9

ac = 25 = -7.4645

20

=-0.6249 Vc = (0.9x-1.3707)-(-0.1x-7.4645) = -1.98 Step-6: m=0.2974 - 0.6249 = -0.3275 c = - 3.6646- -1.98 = -4.6446 Step-7: sample = 2+1=3 Step-8! if (3>2) goto step-9 Step-9: itr = 2+1=3 Step-10: if (3>2) goto Step 11

Step-11: m= 0.3275 C=-4.6446