Do manual calculation for two iterations with first two samples.

Step-2: itr=1

Step-3: sample=1

Step 4: 0 = - (34-(1)) (0.2)-(-1)) 0.2 dE = - (3.47(1) (0.0.2) - (-1))

$$= -4.2$$
Step-S:  $\Delta m = -10.1$ )  $(-6.84) = 0.084$ 

$$\Delta c = -(0.1)(-4.2) = 0.42$$

Step-6: 
$$m = m + \Delta m$$
 $= 1 + 0.084 = 1.084$ 
 $(= c + \Delta c = -1 + 0.42 = -0.58$ 

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

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

goto step 9

else

geto step 4

Step-4:  $\frac{\partial E}{\partial m} = -(3.8 - (1.084)(0.4) + 0.58)0.4$ 
 $= -1.5785$ 
 $\frac{\partial E}{\partial c} = -(3.8 - (1.084)(0.4) + 0.58)$ 
 $= 3.9464$ 

Step-5:  $\Delta m = -(0.1)(-1.5785) = 0.1578$ 
 $\Delta c = -(0.1)(-3.9464) = 0.3946$ 

Step-6:  $m = m + \Delta m = 1.084 + 0.1578 = 1.2418$ 
 $c = c + \Delta c = -0.58 + 0.3946 = -0.1854$ 

Step-7: sample =  $2+1=3$ 

Step-8: if  $(3>2)$ 

goto step-9

$$\frac{\partial E}{\partial c} = -(3.4 - (1.2)(0.2) + 0.18)$$

$$= -3.34$$

$$\frac{\cot -3.34}{\cot -3.34} = 0.33$$

$$\frac{\cot -3.34}{\cot -3.34} = 0.33$$

$$\frac{\cot -3.34}{\cot -3.34} = 0.33$$

$$c = c + \Delta c = -0.18 + 0.33 = 0.15$$

$$\frac{\cot -3.34}{\cot -3.34} = = 0.15$$

$$\frac{\cot$$

step-9: it = 1+1 =2

step-10: if (it 2 > 2)

step-3: sample=1

goto step-11

=-0.668

Step-4: DE = - (3.4-(1.2)(0.2)+0.18)0.2

elsegoto step3

Step 5: 
$$\Delta m = -(0.1)(-1.25) = 0.12$$

$$\Delta t = -(0.1)(-3.13) = 0.31$$

$$\Delta t = -(0.1)(-3.13) = 0.31$$

$$Step - 6: m = m + \Delta m = 1.3 + 0.12 = 1.42$$

$$C = (+\Delta t) = 0.15 + 0.3(=0.46)$$

$$C = (+\Delta t) = 0.15 + 0.3(=0.46)$$

$$Step - 7: Sample = 2 + 1 = 3$$

$$Step - 8: if (sample > ns)$$

$$3 > 2$$

$$goto Step 9$$

Step-9: iter = 2+1=3

Step-10: if (it 3>2)

goto step 11

Step-11: m=1.42

c=0.46