Do manual calculations for two iterations with

Step-3:  $\frac{3E}{3R} = -\frac{1}{2} \left[ (3.4 - (1)(0.2) + 1)0.2 + (3.8 - (1)) \right]$ 

(0,4)+1)0.4)

DE = -1 ((3.4-0.2+1)+(3.8-0.4+1)]

= +1.34

= -4.3

Step-4: Dm = -0.1 x (-1.34) = 0.134

Step-5: m= m+ Am = 1+0.134 = 1.134

Ac= -0.1 x (-4.3) = 0.43

C = C+ AC = -0.1 × (-4.3) = 0.43

Step-7: if (2>2)

goto step 8

else
goto step 3

Step-3: 
$$\frac{\Delta E}{\Delta m} = \frac{-1}{2} \left[ (3.4 - (1.134)(0.2) + 0.54)(0.2) + (3.8 - (1.134)(0.4) + 0.54)(0.4) \right]$$

= -1.157

 $\frac{\Delta E}{\Delta c} = -\frac{1}{2} \left[ (3.4 - (1.134)(0.2) + 0.54) + (3.8 + 0.134)(0.4) + 0.54) \right]$ 

= -3.829

Step-4:  $\Delta m = (-0.1)(-1.154) = 0.1(57)$ 
 $\Delta c = (-0.1)(-3.829) = 0.3829$ 

 $c = c + \Delta c = -0.57 + 0.3829 = -0.187$ 

Step-6: iler = 1+1=2

tep-5: m=m+am= 1.134+0.1157 = 1,2497

step-6: iter=2+1=3 tep-9: if (3>2)

tep-8: m=1,2497

c=-0.187

goto Step-8