Assignment-1)

1) [2, y3, epoche=2, 
$$1 = 0.1$$
,  $1 = 0.9$ ,  $m = 1$ ,  $c = -1$ )

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= - (3.8-10152x004-(-0020) 0.4
      =-[3.8-0.46+0.20]0-4
 2 -1.446
9c= SE = -[3.8 - (1.08+0.9(0.08))0.4-
(-0.58+0.9(0.042))]
       2- [318-10152X014+0000]
    3-3-54.
5) Nm = 0.9.(0.08) - 0.1 (-1.44)
     = 0.072 + 0.144
       2 00276
   VC=0.9(0.49)-0.1(-3.84)
      = 0.037+0.354)
     200432
6) m= 1.0 ky + 0.2 kg = 1. 29
    Cz -0.56 + 0.432 = + 0.179
1) Samples 2+1=3
8) $ (3>2)
a) It=9++1=1+1=2
10) if (2>2) x
  ( ) 3) Sample 21
```

4) 
$$q_{m} = \frac{\partial \mathcal{E}}{\partial m} = -\left[3.4 - \left(1.89 + 0.9(0.24)\right)0.2 - \left(+0.44 + 0.9(0.44)\right)0.2 - \left(+0.44 + 0.9(0.24)\right)0.2 - \left(-0.45 + 0.9(0.22)\right)0.2 - \left[2.4 - 0.3016 - 0.88]0.2 - \left(-0.12 + 0.9(0.42)\right)\right]$$

$$= -\left[3.4 - \left(81 + 0.9(0.22)\right)0.2 - \left(-0.12 + 0.9(0.42)\right)\right]$$

$$= -\left[2.4 - 0.3016 - 0.89\right]$$

$$= -2.94$$
5)  $V_{m} = 0.9(0.24) - 0.1(40.45)$ 

$$= 0.198 + 0.045 = 0.245$$

$$V_{c} = 0.9(0.45) - 0.1(-2.94)$$

$$= 0.664$$
6)  $m = 1.91 + 0.243 - 1.66$ 

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2 - [3.8-1.78x0,4-1812]0.4
= - [3.8-0,712-1842]0.4
9c= 2E= - [3.8+0.9(0.24)) 0.4-(9.05+0.9/0.88)
       z - [3.8-00712-1.842]
       2 - 1094
5) Vm= 0.9 (0.24) - 0.1 (-0.498)
 Z 01225 + 0.049
 20.274
Vc = 0.9 (0.88) - 0.1 (-1.94)
2 0.494+0.034
 6) m = 1.56+0:314 = 1. FFA
C= 4.85+0-996 = 1.96
 7) Sample = 2+1=3
  8) if (sample) ns)
   9) 9t=2+1=3
   10) 16 (3>2) V
   11) M= 1.96.
```