let us conseder a somple data set have one imput (x; a) and one output (y; a), and number of complex 2. Develop a simple times requirem model using Rms. puop optimizes

Do mornual calculation for 2 retenation with Just 2 samples step 1:- $\{x,y\}$, y=0:1, upoches = 2, m=1) C=-1, Q=0:5, C=-1, Q=0:5, C=-1, Q=0:5,

step 2 :- 1+ = 1

step 3 3- sample = 1

ge = -(3.4-(1)(0.2)+1)=-4.2

step 5 ? $Em = (0.9)(0) + (1-0.9)(-0.84)^{2} = 0.07$ $E(= (0.9)(0) + (1.09)(-42)^{2} = 1.764$ step 6 ? Om = -0.1 $\sqrt{0.07} + 10^{-8}$

Steps:

$$ac = -0.1$$
 $ac = -0.1$
 $ac = -0.$

slep 4

Step 9 :-

steps: -

step 4 "-

step 5 :

```
step 10 :-
             1+7 = 1+7+1
               = 1+1=2
 Step11 "-
             is ( It > epochec )
                  gote step-12
              ela gote stap-3
 Step - 3:
            sample =1
 Stepu - -
           9m=-(314-(1.59) (0.2) +0.47) (0.2) =-0.7
            gc=-(3.4-(1.57)(0.2)+0.47)=-3.5
 steps:
            EM 5 (0.7) (0.26) + (0.1) (0.7)2 = 0.3
            EC = (09) (3-1) T(0-1) (-3.5)2=4.0
 step 6 ;
              AC 5 -0.1 $ -3.5 = 0.13
                   14.0+156
 step 7 %
            m= m+4m = 1.24 to.13 = 1.71
            C= C+AC = -0.47 +0.17 = 0.3
step 8
           months stis sample & sample to
                                1+1=2
step9:
             is (sample 7ns)
                 gote step-10
           che, got stap - 4
Step 4:
         Jm = -(3.8) - (1.46) (0.4) +0.3) 40.4 =-1.4
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9c = -(3.8) -(1.71) (0.4) +0.3) +-34

```
sta 5: cm = (0.4) (0.3) +(0.1) (-1.4)2 = 0.46
         GC = (0.1)(4.0) + (0.1)(-3.6) = 4.81
ctep 6 .
          9W = - 0.1
                         x -1.4 = 0.2
                V 0.4640-0
          DC = -0.1
Step 7 :
         m= m+4m = 1.91 + 0-2 = 1.91
          c = Ctsc = -0.3 to.16 =-0.14
steps :
          sample = sample TI
                 = >+1
Stepa :
          is (sample > ns)
                 gote step - 10
          ela gote skep-4
supplo :
          its = ita +1
                = >+1
                = 3
Step11;
          is (1to > cpocher)
                372 gote step-12
          else gote step-s
Step12:
```

m= 1-91

C=-6.14