```
Accingament-5 PR41-Ao 414
           manual calculation +
    Read date [X, 12 x3, 47
    LET-2] [57-1] [57-1] [57-1] [57]
    5551.822 4983.17 418839680 5672.95
    4923.17184 4882.79 5672.95 51.96.25
(2) oata proproles sor
    using normalization
  L(T-3] [ET-2] [ET-1] [ET-1]
   0.397 0.293 0.276 0.210
  0.293 6.276 6.310 0.232
  initialization mi= 1 m2=1 m2=1
   max iteration = 1000, et q = 0.1 c = -1

set iter= 1
    set sample=1
     df. (y-m, L[7-2])
      XI = data 2'12'T-2] X2 = data ['127-2]
     X3 = data { 'LET-I], y = data { 'LETI'}
  de = - (y-m,xi-m, 12-m, xz-c) xi,
     =-(0.210-1(0.397)-1(0.293)-1(0.276)
                         +1)0.397
     = -0.136568
```

df -- (y-m,x+m, 72-c) x; -- (0.310-110.397)-1(0.293)-1(0.296) +1)0.293. +-0.100792 dt = - (0.310 - 1(0.397) - 1(0.293) - 1(0.276 +1)0.276 7-0.0949 of = - (y-m, x; -m, x; -m, x; -c) = - (0.310 - 1(0.397) - 1(0.293) - 1(0.278) +1) = -0.344. (4) Am, = -7 df = -0.1(-0.136)= 0.0136 Am = -7 de =-0.1(-0.10077) = 0.01 1m= -1de = -0.1(-0.694) = 9.4x/53 AC=-7df=-0.1(-0.344)=0.0344 (8) m,= m,+1m, = 1+0.0136 = 1.0136 m,= m2+ Am, = 1+0.01 = 1.01 mz = mz + dm = 1 + 9.4 x 10 = 1.0094 C = (+ AC = -1 +0.0344 - -0.9606

(i) sample (i) = sample)+1 1 = 1+1=2 if (sample &ns) if(2 < 2) T -> etcp (6). $0 \frac{dE}{dE} = -(0.232) - 8(1.0126)(0.293)$ -(1.01)(0.276)-1.0694(0.310) +0.9656)0.293 = -0.1205 df = -((0.332)-1.0126(0293)-1.01(0.296) -1.009 (00310) +0.965)0.296 --0.11255 dt = - (0.222-1.0126 (0.292)-1.01(0.276) -1.009(0.310)+0.96=)0.310 de = -0.411 = -0.127 (1) sm, = - 2 dE = -0.1(-0.1205)=0.0120s Am =-nde =-0.1(-0.11355) = 0.0112 $\Delta m_{3} = - \eta d\epsilon = -0.1(-0.127) = 0.0127$ $\Delta C = - \eta d\epsilon = -0.1(-0.411) = 0.0411$ $m_{1} = m_{1} + \Delta m_{2} = 1.0136 + 0.0120 = 1.025$ m, = m, + Am, = 1.01 + 0.113 - 1.021 mz = mz+ Amz = 1.00 + 0.0127 = 1.012 C=C+DC = -0.9656+0.411=-0.554

(i) = 2+1

(i) = 2+1

(ii) = 3

(ii) = 3

(ii) = 3

(iii) = 3

(iv) = 3

(i

(i) iter = iter+1 = 1+1=2

if (itex expochs)

if (2 = 1) = F = Next step

(3) stop