Hrighment-11 18kuitostt Mertero Accelerales avadient Descent Step 1 read[x,y]; m=1, C=-1, n=0.4, N=0.9, N=0. VC=0, epoelus = 2, no of saugla = 2. step-2 r que=1 step3 = sample=1 Step-4 vgm = - (49-(m+Vvm)29-(C+ 8 vc))>C? = -(3.4 - (1+(0.9)x0)x0.2 - ((-1)+0))x0.2=-(3.4-0.2+1)x0.2=-(4.2×0.2)=-0.84 gc=-4.2. Step-51 Nw= 8 Nw- 20m= (0.0)(0)=(0.1)(-0.80). Vc = 7 vc - ngc = (0) - (0.1) (-4.2) = 0.42 Step-6 × m=m+ xm = 1+0.084 = 1.084 C = C+Vc = -1+0.02 = -0.58

stepar sample = 1+1=2.

step-8 v 9 sample > no-ot samples = 272 - falle goto step u

Step-av gm=-(3.8-(1.080'+(0.9) x (00084)) x04)-(-0.58+0.9) x0.02) +0.0)

 $= -(4.29416) \times 0.4 = -1.7196.$ $= -(4.29416) \times 0.4 = -1.7196.$ $g_{c} = -h.2946.$

Step-10 Vm = VVm-ngm=(0.9)(0.084)-(0.1)(-1.7176) = 0.241736.

Vc = 7 vc-rgc = (0.9) (0.42)-(0.1)(-4.29416) = 0.807416.

Step-11 $m = m + V_m = 1.084 + 0.24736 = 1.33136$ $C \pm C + V_c = -0.58 + 0.8674 = 0.2274$

Step-127. Sample = 2+1=3.

Step 13 V PF Sample > no. of Samples = 372 = true
goto neut step

Step: 9tu=1+1=2. Step-ITV que que repoches es 272 - False goto steps Step-16 sample-1 Step-17 gm = -(4?-(m+ VVm)x?-(C+ VVC))x? - (3.4-(1.3313+(10.9)x(0.2473) x0.2-(0.2274+(0.9) × 0.807416) = - (3.4 - (1.5539) x0.2 - (0.95409) = - (2-13511) gc=-(3.4-1.5539-6.9540)=-0.891926. 8tep-18 Vm = 2Vm-1)gm = (0.9)x0.24736-(0.)x(-21351) Vc = Vvc-ngc = (0.9)x0.80741-(0.1)x(-0.89192)

 $\frac{8 e \rho 19 V}{m = m + V m = 1.3316 + 0.43614 = 1.76774}$ $C = C + V_{c} = 0.227416 + 0.815867 = 1.043283$

Stepro' Sample: Sample+1= 171-Hepli 98 Sample 5ns 202 = Palse goto stepu slepzn gm = -(y?(m+Vrm)~19-(C+Vr))x? =-[3.8-(1-769744(0.9) ×0.43614) ×0.4-(1.04328j+(0.9)x081886)x0.4 -[J.8-(2.160266)KO.4-1.77756]xO-4 = -0.4633. gc=-[3.8-(2.16026+0.4)-1.7+75] = -1.15833. 8fgp 2 JV Vm = 8 Vn = 1 3E (0,9) x0.43614 - (0.1)x(-0.4633) 2 6.43885. Vc - かん一りまた =(0-9) x0.815867 -(0.1) x(-1.15833) =0.85011

8tep-241 m=1-76774+1041388 =2-20659 C = (.043283+ 1.15833 = 2.2016133 Step-25 V sample = 2+1=372. no. of samples Step-26+ Pters = 2+1=3 > ppache. goto step 2+ print M, C Values = 72.20659, 2.2016.