ASSIGNMENT-15 10-VILLAO 18×41A0502 det us consider a sample dataset have one enput (xpa) us consider a sample dataset samples &.

Over and one output (you) and no. of samples &.

Proposition of samples &.

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Proposition of samples &. prop optimizer you 100 Sample (P) 200 3140/4-1-221/ 0.2 3.8 0.4 406

Do manual calculations for a Herations with first S-1: [2, y], n=0.1, epoches = 2, m=1, c=-1, 3=0.9, Em=tro two samples

E=10-8

$$S-3^{\circ}$$
. sample=1
 $S-4^{\circ}$. $g_{m}=(3.4-1)(0.2)+1)(0.2)=-0.84$

5-4:
$$g_{m} = (3.4-(1)(0.2)+1)=-4.2$$

 $g_{c} = -(3.4)-(1)(0.2)+1)=-4.2$

$$g_{c} = -(3.49-(1)(0.4)(-0.84)^{2} = 0.07$$

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$$E_{c} = (0.9)(0) + (1-0.9)(-4.2)^{2} = (1.764)$$
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```
g-t:m=m+am=1+0.31=1.3)
s-e: sample = sample + 1
         2 = H=2000 (6.00) (100.1) - p.8) - 00
s-9°. Ef (cample=ns) goto 3-10
    else goto s-4
CH: gm= -(3-8- (1.31)(0.4)+0.69) 6.4=-1.5
   cyc=+(3.8-L1.31)(0.4)+0.69)=-3.9
 S-S'.Em = (0.9)(0.07)+(0.1)(-1.5)^2=0.28
    Ec=(0.9)(1.76)+(0.1)(-3.9)2=3e1
 S-6: Dm = -0.1 -1.5=0.28 -mater
Vo.28+10-8
     BC = \frac{-0.1}{\sqrt{3.1+10^8}} * -3.9 = 0.22
 S-+: m=m+ pm = 631+0.98 = 1059 mm)
5-8; sample = sample+1
           =2+1=3+(10)(1+1)+20)
 g-9: 9/ (cample > ns) goto s-10
        372 08.10 = (0.8-) (0.0) 7.(0.10) (0.0) = 57
      else s-4
 (-10; Etr= 8+1+1
       =1+1=2
  S-11: 9 (Pfr=epoches)
goto s-12
     else goto S-3
```

5-7: m= m+ Am=1.41+0.2=1.91 C= e+ DC= -0.3+0.16 = -0.14 5-8. sample = sample + 1 =a+1=3 s-9: Et (cample =ns)
372 goto s-10
else goto s-4 5-10: Ets= Ets+1 =21=3 5-11: Ef lite > epoches) 372 goto 5-12 else goto s-3 S-12; m= 1.9) c=-0.14.