Assignment-4	~ . \	u.
a cample-1!	7.6	157
Iteration -0, 800, 10.0 - 11. [1111]	7.1	174
step1 [7.6, 157], n=0.01, m=1, c=-1.	12	(G-KH)
Stepa: at = - (yia - mxi - c) x (-xi) = + (157 - 1x7.6 - (-1)) x (-xi)	ms.	
= +(157-1×7.6-(-1)) × (-	7.6)	
$= (158 - 7.6)(7.6)$ $= (150.4) \cdot (7.6)$		
= 114.3.64 ()-()+()	106	
ac = - (yia-mxia-c)		
=-(15T-1×7.6-(-1)).		
= -150.4.	iπA	r pl?
step3: Am = -1 : 2E = -(0.01) (1143.04)	A	
= 11.436		
$\Delta c = -\eta \frac{\partial E}{\partial c} = -(0.01)(-150.4)$	(rt	Agus
Step 4: $M = M + \Delta M = 1 + (-11.43) = -10.43$, $C = C + \Delta C = -1 + (1.504) = 0.504$		
- (1,504) = 0.504		

sample-2

Step 2:
$$\frac{\partial E}{\partial m}\Big|_{m=1} = -(y_1^2 - m_X_1^2 - c) - x_1^2$$

= $(174 - 1*(7.1) - (-1)) * 7.1$
= $(175 - 7.1) * (7.1)$)
= $167.9 \times 7.1 = 1192.09$.

$$\frac{\partial E}{\partial c}\Big|_{c=-1} = -(y_1 - m_1 - c)$$

$$= -(114 - 1(1.1) - (-1))$$

$$= -(157.9. \times 1 - 161)$$

Step3:
$$\Delta m = -7 \frac{\partial E}{\partial m} = -(0.01) 1192.09$$

= -11.920.

$$\Delta c = -\eta \frac{\partial E}{\partial c} = -(0.01)(-167.9)$$

$$C = C + \Delta C = -1 + 1.679$$

```
Tteration-2
```

```
sample-1 [7.61,157], n=0.01, m=-10.4-3, C=0.504.
     Unification ( PROCESS ) - MEST -
 3+ep 2: 3E | = (157-(-10:43)(7.61)-0.504(7.61)
                    =(157+(10.43)(7.61)-0.504)(7.61)
      = (156.496+(10.43×7.61))7.61
                = (156.496+79.372) 7.61
                = (235.868) 7.61
                = 297994.19550.0) · - 76 11 · M EDID
       DE 1

DC 1 C=0.504 = -(157-(-10.43)(7.61)-0.54)
                    = -235.868.
      Am=n DE = (-0.01x 1794.955)
                   =-17.949 1-1- GP.01-
           DC = - n DE = (-0.01) x -235.868
                      = 2.358. DALLES
      m=m+Am = -10.43+(-17.949)
Step 4:
                    = -28.379.
           C=C+DC=0.564+2.358
                    = 2,862,
```

```
8ample-2
```

Step 2:
$$\frac{\partial E}{\partial m} = (174 - (-10.92)(7.1) - 0.679(7.1))$$

= $(173 - 321) + ((10.92 \times 7.1))) 7.1$

(12.17) (112.0-(12.11/81.05) + 1-21).

$$\frac{\partial e^{-1}(10.7 \times e^{-1.01}) + \partial e^{-1.021}}{\partial c}(7.1) - (-0.679)$$

$$\frac{\partial e^{-1}(10.7 \times e^{-1.01}) + \partial e^{-1.021}}{c_{-0.679}} = -(174 - (-10.92)(7.1) - (-0.679))$$

$$(7.1)$$

$$= -17.810.$$

$$= -(0.01)(-250.853)$$

$$= 2.508.853$$