Assignment -4(a) 71- 143 Iteration-0 Sample-1 100-pri (2016) 2:1 1:170 step 1:- (7.6, 157), n=0,01, m=1,1=-1 step 2: - dE = -(y, -mx; -c) x (-x;) = + (157-1x7.6-(-1)) x (7.6) (458-7.6) (7-6) = (1ro.4) (7-6) - 1143.04 DE (C=-1 =-(y, a - mx, a - c) =-(117-1×7.6-(-1)) = - (ir8 - 7-6) =1 -11014 Step 3: Sm = - n DE = - (0.01) (1143.04) (1) 1 (100) = - 11.4300 DC = - N dE = - (0.01) (-1504) Stipa: m=m+om = 1+(-11.43) = -10.43

C= C+ D(=-1+ (1.104) = 0.504



Step 2 Sample - 2

$$\frac{dep-1!-(7.1,174)}{dm}, \frac{n}{m=0.01}, m=1, c=-1$$

$$\frac{dE}{dm}|_{m=1} = -(y_1^{9}-mx_1^{9}-c)-x_1^{9}$$

$$= (174-1*(7.1)-(-1))*7'1$$

$$= (174-7.1)*(7.1)$$

$$= (174-7.1)*(7.1)$$

$$\frac{\partial E}{\partial c} \left[c = -1 \right] = -(y_1^{\alpha} - m_1 i_1^{\alpha} - c)$$

$$= -(124 - 1(2.1) - (-1))$$

$$= -167.9$$

$$\Delta C = -n\frac{\lambda E}{\lambda C} = -(0.01)(-167.9)$$

$$= (0.679)$$

stepat m=m+om= 1+(-11.920)

Sample-1

Step 1'-
$$(7.61,117)$$
, $n=0.00$, $m=-10.43$, $(=0.704)$

Step 1'- $\frac{\partial E}{\partial m}$ = $(177-(-10.43), (7.61))$

= $(177+(10.43), (7.61)-0.704), (7.61)$

= $(176.496+(10.43x7-61))$ 7.61

= $(176.496+74.372)$ 7.61

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= $(23$

= 2.862

step 1: (7.1,174), n=6.01, m=-10.92, c=6.679.

step 2: $\frac{\partial F}{\partial m}\Big|_{m=-10.92}$ = (174-(-10.92)(7-1)-0.679.

= (173.321) + ((10.92 * 7.1))) 7.1 = 1781-056

DE / = - (174-(-10.92) (7.1)-(-0.679))
(7.1)

= -250.853

step 3:- m=-ndE = - (0.01) x 1781.056

$$\Delta C = -\frac{n}{3C} = -(6.01)(-250.853)$$

= 2.508

step41- m=m+6m

= -10.92-17.81

= -28.73

C= C+ OC

= 0.679 +2.508

= 3-187 1 have