Manual Calculations for two iterations with first tuo Samples (Momentum optimizes)

Step-1-7=0-1, m=1, c=-1, epochs=2, 8-0-9, Vm=0, Vc-0

8fep-3: Sample=1
8fep-4:
$$\frac{dE}{dm} = -(3.4 - (1)(0.2) + 1)0.2 = -0.89$$

$$\frac{\partial E}{\partial C} = -(3.4 - (1)(0.2) + 1) = -4.2$$

Sfep-5:
$$V_m = 8V_m - 9 \frac{\partial E}{\partial m}$$

$$V_m = 0.9 \times 0.08 + -(0.1)(-1.578) = 0.233$$

$$V_c = 9V_c - 9 \frac{\partial E}{\partial c} = 0.9 \times 0.42 - (0.1) (-2.99)$$

$$V_c = 0.772$$

Step-6:
$$m = m + v_m = 1.084 + 0.233 = 1.317$$

 $C = C + v_c = -0.53 + 0.772 = 0.192$

Step-4:
$$\frac{dE}{dm} = -(3.4 - 1.317 + 0.2 - 0.192)0.2 = -0.588$$

Step-4: $\frac{dE}{dm} = -(3.4 - 1.317 + 0.2 - 0.192)0.2 = -2.944$

Step-5:
$$V_m = 8V_m - 7 \frac{dE}{dm}$$
 $V_m = 0.9 \times 0.233 + (0.1)(0.588) = 0.2685$
 $V_c = V_c - 7 \frac{dE}{dm}$
 $= 0.9 \times 0.772 + (0.1) (2.944) = 0.9892$

Step-6: $m = m + V_m = 1.317 + 0.268 = 1.58$
 $C = C + V_c = 0.192 + 0.989 = 1.18$

Step-8: $if(272)$

Step-8: $if(272)$

Step-4: $dE = -(3.8 - 1.58 \times 0.4 - 1.18) 0.9 = -0.79$
 $dE = -(3.8 - 1.58 \times 0.4 - 1.18) = -1.98$
 $dE = -(3.8 - 1.58 \times 0.4 - 1.18) = -1.98$

Step-5: $V_m = 8V_m - 7) \frac{dE}{dm}$
 $= 0.9 \times 0.26 + (0.17)^2 (0.74) = 10.313$
 $V_c = 8V_c - 70 \frac{dE}{dc} = 0.9 \times 0.96 + 0.14 \text{ p. 98} = 1.08$

Step-6: $m = m + V_m = 1.58 + 0.313 = 1.89$
 $C - C_1 V_c = 1.58 + 1.08 = 2.26$

Step-7: $S_{ample = 3}$

Step-8: $(f(372) + 6.97) = 1.08 + 1.08 + 1.08 + 1.$