$= -\left(5072.9 - 5551.8 - \frac{5561.8}{4933 + 41}\right)5551.8$

- - (5072.9 - 5551.8 - 4993.1 +1) 4993.1

- - (5072.9-5551.8- 4838.3+1) 4983.1

DE = - (y1 - m1x1 - m2x2 - m3x3-c) x3

 $\frac{\partial E}{\partial m_i} = -(y_1 - m_1 x_1 - m_2 x_2 - c) x_i$

 $\frac{\partial E}{\partial m_2} = -(y_1 - m_1 x_1 - m_2 x_2 - c) x_2$

= 33475638.4

= 27212709.1

= 26740311.2

DE = 2726401.1

step-2 iter=1

step-4

Step-5
$$\Delta m_1 = -\frac{\partial E}{\partial m_1} = -0.1 \times (83475678.4) = 3347568.3$$

$$\Delta m_2 = -\frac{\partial E}{\partial m_2} = -0.1 \times (97812709.1) = 2721270.9$$

$$\Delta m_3 = -\frac{\partial E}{\partial m_3} = -0.1 \times (9786401.2) = 2674031.1$$

$$\Delta c = -\frac{\partial E}{\partial c} = -0.1 \times (9786401.1) = 972640.1$$

$$Step-6$$

$$m_1 = m_1 + \Delta m_1 = 1 + 3347368.8 = 3347569.3$$

$$m_2 = m_2 + \Delta m_2 = 1 + 2721270.9 = 2721271.9$$

$$m_3 = m_3 + \Delta m_3 = 1 + 2674031.1 = 2674032.1$$

$$C = \frac{\Delta E}{C} + \Delta C = -1 + 272640.1 = 272639.1$$

$$Step-7$$

$$9ample = Sample+1 = 1+1=2$$

$$Step-3$$

$$if (sample < ns)$$

$$2 \le 2$$

$$True \rightarrow 90 \text{ to skep 6}$$

Step6
Repeat the process

Stp-9

iter-1ter+1 = 1+1=2

step-10

H (iter \leq ns) $2 \leq 1$ false \Rightarrow next step

step-11

Print m_1, m_2, ℓ Caladlak Error Metrics