= -2.34

$$\frac{dE}{dm} = -\frac{1}{2} \left( (3.4 - (1)(0.2) - (-1)(0.2) + (4.6 - (1)(0.8) - (-1)(0.8) \right) \right]$$

$$= -\frac{1}{2} \left( (3.4 - 0.2 + 1)(0.2) + (4.6 - 0.8 + 1)(0.8) \right)$$

$$= -\frac{1}{2} \left( (4.2)(0.2) + (4.8)(0.8) \right) = -\frac{1}{2} \left( (4.65)(0.8) \right)$$

$$=-\frac{1}{2}\left(3.8-\left(1.234\times0.4\right)+0.55\right)\left(0.4\right)+\left(4.2-\left(1.234\times0.4\right)+0.55\right)\left(0.4\right)+\left(4.2-\left(1.234\times0.4\right)+0.55\right)$$

$$\frac{J^{e}}{J_{e}} = -\frac{1}{2} \left( 3.88644 - 4.0096 \right)$$

$$= -3.933$$

$$0m = -9 \quad \frac{J^{e}}{J_{m}} = 0.197416$$

$$-9 \quad J^{e}_{m} = 0.3933$$

ger 19% JE = - 1 (34 - (1.4314)(0.2) + (0.1567)(02) + 14.6-(1.4314)(0.8) + (0.1567)(0.8)7 = -1 × (3.27042)(0.2) + (3.61168)(0.8) - ( x ( 0.65408+ 2.889267=-1.77167 15 = -1 (3.27042 + 3.61158) Step 20: 0m=-4 15 NEW = 0.171167 DC = - n CE 0 ·3 u 41

Den 21: m= m+ b7 (= C+ BC)
-0.1867 -0.1867 + D.36cm . 1.60866

i - ord contail.

SLEN 24: 
$$\frac{16}{4m} = -\frac{1}{2} \left( \left( 3.5 - \left( 1.60864 \right) \left( 0.4 \right) - 0.1874 \right) \left( 0.4 \right) \right) + \left( 1.2 - \left( 1.60856 \right) \left( 0.6 \right) - \left( 0.1874 \right) \left( 0.6 \right) \right)$$

$$= -\frac{1}{2} \left( \left( 2.96917 \right) \left( 0.4 \right) + \left( 3.647464 \right) \left( 0.6 \right) \right)$$

$$= -\frac{1}{2} \left( 1.187665 + 1.828478 \right)$$

$$= -1.50807$$

$$\Delta M = 6.150507 = -1 \left( \frac{dE}{dM} \right) = -(0.1)(-1.50507)$$

$$\Delta C = 6.30087 = -1 \left( \frac{dE}{dC} \right) = -(0.1)(-3.0081)$$

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SEN 32

(3-4-0.84004) (38-6.19185) + (4.2-1.54360)

+ (4.6-1.89548)

MSE = 2.63224