- Assignment - 6A

Price Soft living

221900 1180

538000 2570

180000 770

604000 1960

1)
$$\eta = 0.1$$
, epochs = 1, $m=1$ and $C=1$, $\eta=2$

4)
$$\frac{J-6}{Jm} = (0.5) \left[(221900 - 1 * 1180 + 1] * 1180 + 1 \right] * 1180 + 1 \left[538000 - 1 * 2570 + 1 \right] * 2570 \right]$$

$$= -(0.5) \left(1636508450 \right)$$

$$\frac{3E}{3C} = -(0.5) \left[(221900 - 1 * 1180 + 1) + (538000 - 1 * 2570 + 1) \right]$$

$$= -(0.5) (756152)$$

$$= -378076$$

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g) step length Dm = -(0:1) (-818254225)
              = 818254225
            DC = - (0.1)(-378076)
               = 37807.6 00 1 supplies
6) Update m= 1+81825422.5 and C=-1+37807.6
          m= 818254235 and C= 37806.6
4) Set batch1=1+1=2 and 1=2
 Repeat 4: 2 = - (0.5) [180000-81825423.5* 700
 -37806.6)* 700 +
   (604000 - 81825423.5*1960-37806.6)*
                                         1960]
           =-(0.5)[-3-10532093e"]
   =1-5526604704
  \frac{\partial \epsilon}{\partial c} = -(0.5)(180000 - 81825 \text{ H2}35 * 770 - 34506 6)
              + (604000-81825423.5*1960-37806-6)
           = -(0.5)(-1.66679898e") = 8.33399489e'0
   Repeat 5 , steplength Dm = - (0.1) (1.55266047 e14)
         =-1.55266047e 13
                    DC = - (0°1) (8-33399489 00)
                     = -5-3339948909
   Repeat 6: m= 81825423.5-1.5526604713
            m = - 1.5526522 90 13
           (= 3-7806.6-8-33399489e9
            C = -8 - 33395708e9
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