Assignment- 13 optimiting technique ADAGRAD sample (1) 3.4 0.2 0.4 0.8 Calculations. -) Manual [2, y], 1=0.1, ep=2, m=1, c=1Step1: Gm= Gc= 9 E= 108 step3: sample=1 Step2 1 - (3.4 - 1 (0.2)+1) 0.2 Step41 gc - - (3.4 - 2 (0.2) 1) Step5, 0 + (-0.84) 0.7056

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Steps:
$$S = 2$$

Steps: $il(S > N_3)$ go to next step

else go to Step4

Step4: $g_m = -(3.8 - (2.4)(0.4) + 0.9)0.4$
 $= -(4.7 - 0.44)0.4$
 $= -4.7$

Steps: $G_m = 0.7056 + (-4.7)$
 $= 3.59$
 $G_c = 47.64 + (-4.26)^2$
 $= 35.78$

Step6: $D_m = \frac{-0.1}{359+20.8}(-1.7)$
 $= 0.89$

Steps:
$$s=2$$

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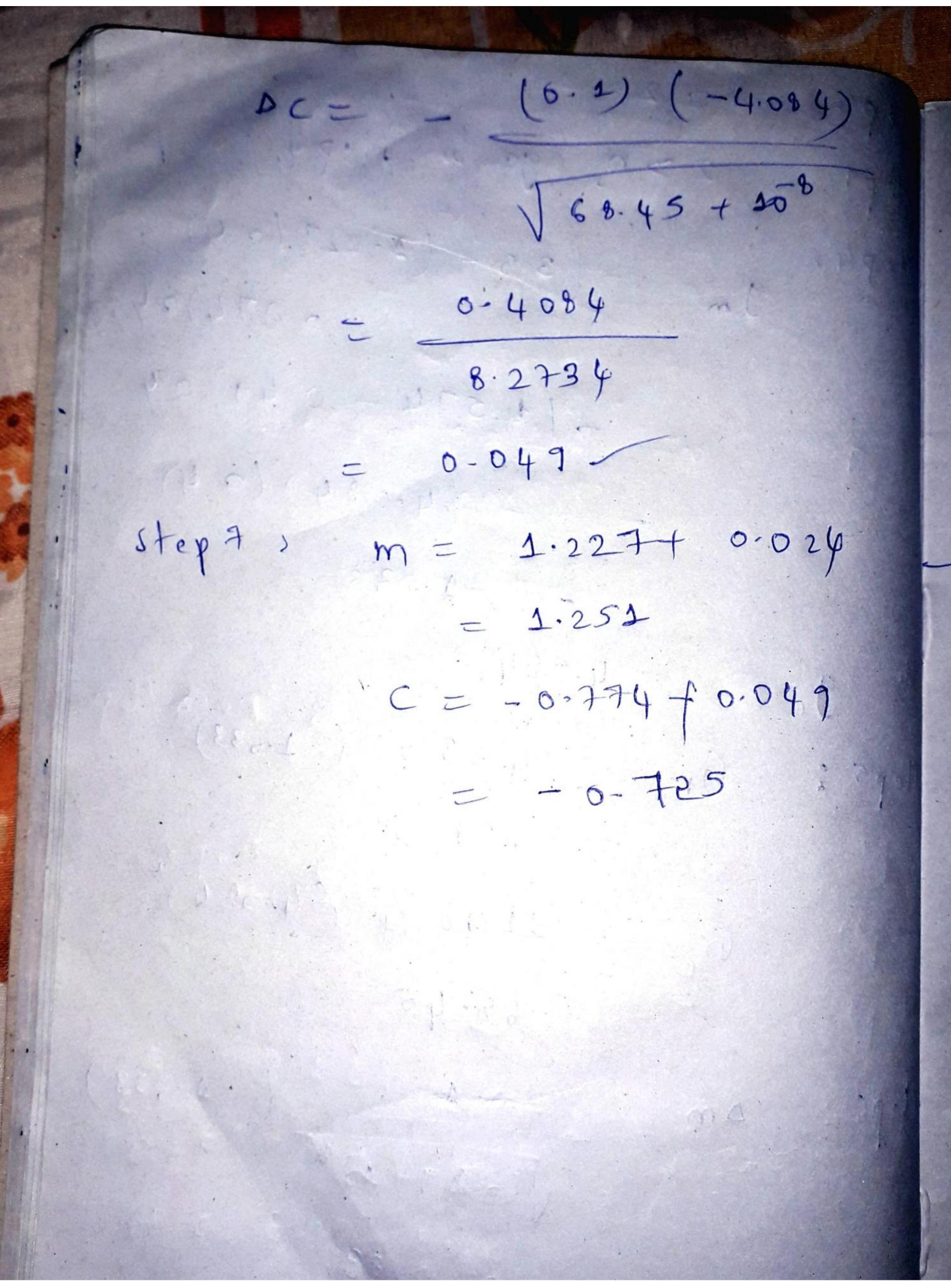
Steps: $2>n$, go to Hep4.

Step4,

 $9_{m}=-\left(3.8-\left(2.27\right)\left(0.4\right)+0.47+4\right)0.4$
 $=-\left(4.574-0.49\right)0.4$
 $=-\left(4.084\right)\left(0.4\right)$
 $=-2.633$

Steps: $6_{m}=4.23+\left(-2.633\right)^{2}$
 $=689$
 $6_{c}=51.78+\left(4.084\right)^{2}$
 $=68.45$

Utep6: $6_{m}=-0.1$
 $=68.45$
 $=68.45$
 $=68.45$
 $=68.45$
 $=68.45$
 $=68.45$
 $=68.45$
 $=68.45$



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