Manual calculation for 2 iterations 18k4 120 486 step 1: Initialization of variables. M = 2  $\eta = 0.01$  epochs = 2 1707 step 2:- f(x) = 24 + 3x2 + 10 34 = 4x3+6x ⇒ 418) +12 => 32+125 HMR = 12 03017) 1-8 10 => 44 2) 44 Stew rate - DXTIX DXID X G  $\frac{\text{step 3}}{2} :- \Delta x = -\eta \frac{\partial f}{\partial x}$ = - 5.01 (-44) = -0.44 stepy: n = n + Dn = 2 - 0.443 = 1.26 E x bile 8 x C step 5 :- iter = iter+1 = 1+1 step 6: if (iter > epoch) = if(2>2)

if(2>2)

False False go to step

Scanned with CamScanner

Carpenter of the Agent of the Contract of the Agent of the Contract of the Con

step 
$$3 := \Delta \mathcal{H} = -0.01(24.545)$$

behavior = -0.24545

que qo His grade some point print