Issigriment - 9 * Momentum optimized sample(i) 0-2 3.4 0.4 3.8 0.6 4.2 0.8 4.6 -> Manual calculations step1: [1,y), m=1, c=-1, M=0.1, epochs = 100, V=0.9, Vm= V=0, n=2 iter = 1 Step2: sample = 1 Step3: = 1 (y;-mx;-c) Step4: - (y;-mx;-c)x; gc = DE = - (y;-mn;-c) (3.4-1(0.2)+1)(02) - (4.5) (0.5)

$$g_{c} = -(3.4 - 3(0.2) + 3)$$

$$= -4.2$$

$$5 + cps > V_{m} = 7V_{m} - Mg_{m}$$

$$= (0.9)(0) - (0.3)$$

$$(-0.84)$$

$$V_{c} = 7V_{c} - Mg_{c}$$

$$= (0.9)(0) - (0.3)(-4.2)$$

$$= 0.42$$

$$5 + cps > m = m + V_{m}$$

$$= 1 + 0.084$$

$$= 1.084$$

$$c = c + V_{c}$$

$$= -1 + 0.42$$

$$= -0.58$$

Jteps:
$$J = 2 - 2$$

g. to $J + 0 = 4$.

 $J = -(38 - (3.084)(0.4) + 0.98)(0.4)$
 $J = -(3.8 - (3.084)(0.4) + 0.98)(0.4)$
 $J = -(3.8 - (3.084)(0.4) + 0.98)$
 $J = -(3.8 - (3.084)(0.4) + 0.98)$
 $J = -(3.95)$
 $J = -(3.95)$

Stope: m= 1.0847 023 = 1-314 C = -0.58 + 0.77 - 0-19 Htop7 1 go to Nent Hep Step8 = it = 2 14 (it > epochs) next Hep. Pirst two samples