E = = (yi - mai 2-mai-c)2 de = -xi2(yi-m,xi2-m2xi-c) de = - (yi-maz= m3 x;-c) de = - 7; (yi - m, x12 - m2xi -c) m=10#, m=5, c=12, eeta=0.001, epochs=1 DM = - 212 (81 - m, 212 m 21, -6) = -7.62 (157-108(7.6) - 5[7.6)-12) = 57.76 (150.12) = 27181.856 Vmg = -x1(y,-m,012-m2x,-c) = -7.6(157-10(7.6)2-5(7.6)-12) = 3576.56 VC = - (4,-ma1= m22-c) => - (157-10(7.6)2-5(76)-12) = 812.6 m, = m,-η× vm, = 10-0.001 × 27181.85 = -17.18185 mg= mg- nx tom2 = 5 - 0.001 x 3576.56 = -1.423 44 C = C-11 x DC = 12 - 0.001 x 812.6 = 11.1874 Sample 2: vm = - 72. (y-m, 2, -m, 2, -m, 2, -c) & == 717(194+101. = -717(174+17,181(7.1)~+1.423(7-1)-11,1874) = - 52341.8814 Vmg = -12(42-10,232-132-C) = -71 (194+19.181 (4.1) + 1.428 (7.1) - 11.1874) = -7376.971 TC = - (42-m/22- m202-c) = - (174+14.18/(2.1)2+1.423(7-1)-11.187) = -1039.01051

4, %

Dys/

 $m_1 = m_1 - \eta \times \tau m_1$ = $-13 \cdot 18 - 0.001 \times -52341$ = $899 \cdot 213$ $m_2 = m_2 - \eta \times \tau m_2$ = $-1.42 - 0.001 \times -7376$ = 5.956 $C = C - \eta \times \nabla C$ = $11.18 - 0.001 \times -1039$ = 12.219