set us consider a sample datased have one input (1) and one outpit (yi) and number of samples 4.

swelop a SIR model using nestron accelerated gradient

(NAW) optimore.

 Sample (i)	y.a	y; a
2	02	3 M
3 4	06	u.2 u.6

. Do marrial calculations for 2 ituations with 31th

Step 2: 
$$dt = 1$$

Step 1:  $sample = 1$ 

Step 4:  $gm = \frac{\partial t}{\partial m} = -(y_1^2 - (m + 8m)x_1^2 - (c + 8c))^{-2}$ 
 $= -(3 \cdot 4 - (1 + (q \cdot q) \circ) \circ 2 - (-1 + (o \cdot q) \circ) \circ 2$ 
 $= -0.8 \cdot 4$ 
 $= -0.8 \cdot 4$ 
 $= -0.8 \cdot 4$ 
 $= -0.8 \cdot 4$ 

$$\frac{1}{3m} = \frac{1}{3m} = \frac{1}{(3.4 - (1+04) \times 0)} = \frac{1}{(0.4 \times 0)}$$

$$\sqrt{c} = 8\sqrt{c} - 9/c - (0.1)(-4.2)$$

$$= (0.9)(0) - (0.1)(-4.2)$$

$$= -0.42$$

Step c: 
$$m + = \sqrt{m}$$
 $1 - 0.07u = 0.91b$ 
 $1 - 0.07u = 0.91b$ 
 $1 + 0.07u = 0.91b$ 
 $1 - 0.07u = 0.07u$ 
 $1 - 0.0$ 

$$step-1: \frac{dE}{dm} = -\left(3.4 - \left(0.642 + \left(0.9 \times 0.273\right)\right) \times 02 - \left(-2.293 + \left(0.9 \times 0.293\right) \times 0.2\right)$$

$$gm = -117!$$

$$gc = \frac{dC}{dC} = -5.859$$

$$step + 5: Vm = ?Vm - 19m$$

$$= \left[0.9 \times \left(0.273\right)\right] - \left(-0.1 \times -1.81\right)$$

$$Vc = Ve^{2} - 19c$$

$$= \left(0.9 \times \left(-0.873\right) - \left(0.1\right) \left(-5.859\right)\right)$$

$$= \left(0.9 \times \left(-0.873\right) - \left(0.1\right) \left(-5.859\right)\right)$$

$$= \left(0.27924$$

$$C1 = Vc$$

$$= -2.2939 - 1.5707 = -3.6646$$

$$step + 3 - 3 \cdot \left(sample > 7nd\right)$$

$$= 360 \cdot step = -3.6646$$

$$step + 3 - 3 \cdot \left(sample > 7nd\right)$$

$$= 360 \cdot step = -3.6646$$

$$step + 3 \cdot 3 \cdot \left(sample > 7nd\right)$$

$$= -360 \cdot step = -3.6646$$

$$step + 3 \cdot 3 \cdot \left(sample > 7nd\right)$$

$$= -3.6646$$

$$= -2.2939 - 1.5707 = -3.6646$$

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$$= -2.2939 - 1.570$$