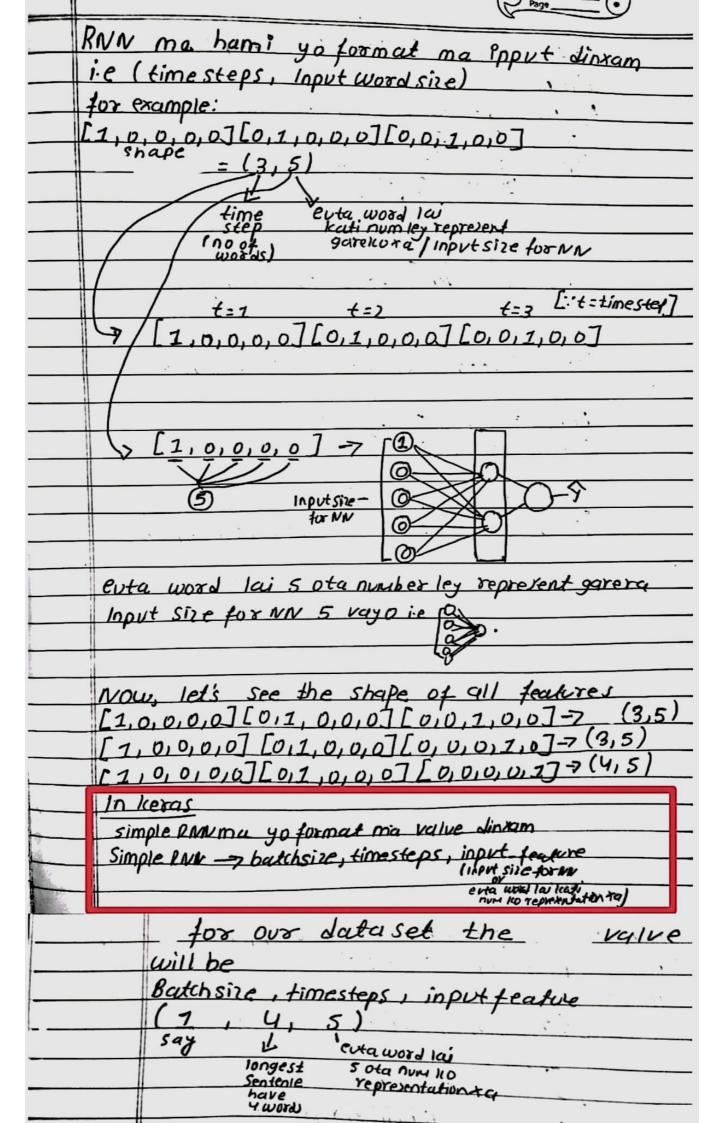
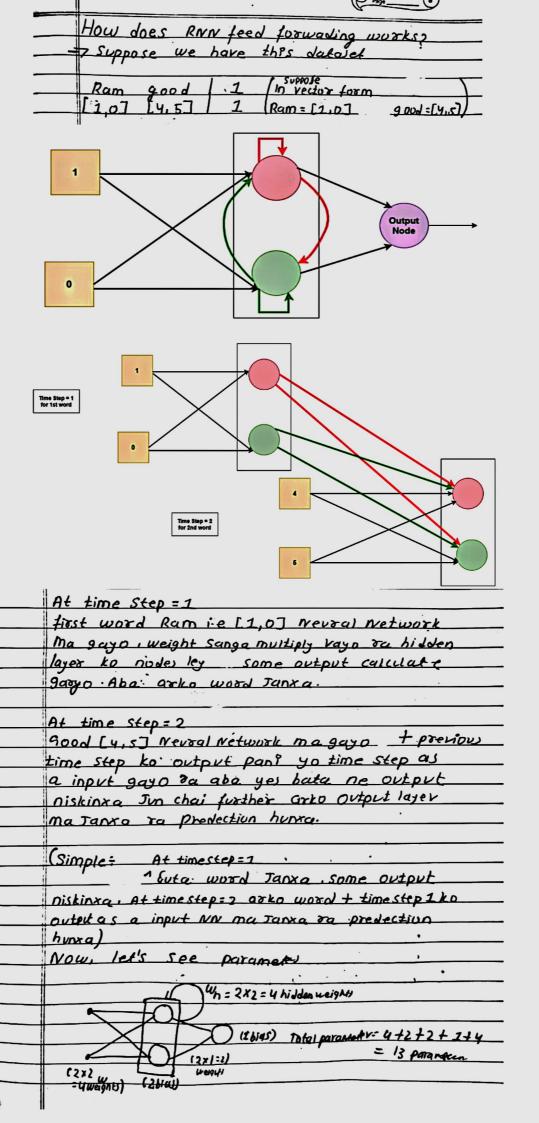


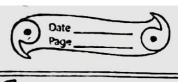
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Vectors movie = [1,0,0,0,0	57	
was = [0, 4, 0, 0, 0	•	·
900d=[0,0,1,0,0	***	
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Now, let's write Review	data set again	
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Review Sextimal $\begin{bmatrix} 1,0,0,0,0 & \begin{bmatrix} 0,1,0,0,0 \end{bmatrix} & \begin{bmatrix} 0,0,1,0,0 \end{bmatrix} & \begin{bmatrix} 1\\ 1,0,0,0,0,0 \end{bmatrix} & \begin{bmatrix} 0,0,1,0,0,1,0 \end{bmatrix} & \begin{bmatrix} 0\\ 1,0,0,0,0,0 \end{bmatrix} & \begin{bmatrix} 0,0,1,0,0,1 \end{bmatrix} & \begin{bmatrix} 0\\ 1,0,0,0,0,0 \end{bmatrix} & \begin{bmatrix} 0,0,1,0,0,1 \end{bmatrix} & \begin{bmatrix} 0\\ 1,0,0,0,0,0 \end{bmatrix} & \begin{bmatrix} 0,0,1,0,0,1 \end{bmatrix} & \begin{bmatrix} 0\\ 1,0,0,0,0,0 \end{bmatrix} & \begin{bmatrix} 0,0,1,0,0,1 \end{bmatrix} & \begin{bmatrix} 0\\ 1,0,0,0,0,0 \end{bmatrix} & \begin{bmatrix} 0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0&0$
Review Sentimor $\begin{bmatrix} 1,0,0,0,0 \end{bmatrix} \begin{bmatrix} 0,1,0,0,0 \end{bmatrix} \begin{bmatrix} 0,0,1,0,0 \end{bmatrix} \begin{bmatrix} 1\\ 1,0,0,0,0,0 \end{bmatrix} \begin{bmatrix} 0,0,1,0,0 \end{bmatrix} \begin{bmatrix} 0\\ 1,0,0,0,0,0 \end{bmatrix} \begin{bmatrix} 0,0,1,0,0,0 \end{bmatrix} \begin{bmatrix} 0\\ 1,0,0,0,0,0 \end{bmatrix} \begin{bmatrix} 0,0,1,0,0 \end{bmatrix} \begin{bmatrix} 0,0,1,0,0 \end{bmatrix} \begin{bmatrix} 0\\ 1,0,0,0,0,0 \end{bmatrix} \begin{bmatrix} 0,0,1,0,0 \end{bmatrix} \begin{bmatrix} 0,0,1,0,0 \end{bmatrix} \begin{bmatrix} 0\\ 1,0,0,0,0,0 \end{bmatrix} \begin{bmatrix} 0,0,1,0,0 \end{bmatrix} \begin{bmatrix} 0,0,1,0,0 \end{bmatrix} \begin{bmatrix} 0\\ 1,0,0,0,0 \end{bmatrix} \begin{bmatrix} 0\\ 1,0,0,0 \end{bmatrix} \begin{bmatrix} 0\\ 1,0,0 \end{bmatrix} \begin{bmatrix} 0\\ 1$
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χ_{3} , χ_{32} χ_{33} χ_{34} χ_{33}
$N6\omega$,
$N6\omega$,
let's See It
$\int w; tanh(x_1, w_1 + b) = 70,$
[€ = 1]
21, = first word matrix
Wi = weights matrix
O, = Output from layone Matrix
b = bias matrix
Now, let's see
$\alpha_{11} = [1, 0, 0, 0, 0] = 7. (1, 5)$
Wi= (5,3) => [0,01,02] Say
0.3, 0.4 0.8
0.2 0.3 0.4
[O'3 O'4 O'5]



b = (1:3) => [0.1., 0.2,0.3] say Doing oc 11. with we get [1,0,0,0,0] 0 0.1 0.2 + [0.1,0.2,0.3] 0.4 0.1 0.1 10.5 0.3 0.4 0:5. 0.4 (1,5) x (5,3)+ (1,3) (1,3) + (1,3) (1,3) : 0, = [01,02,0.8] lety say (1,3) NOW H=21 wh 7 / tanh (x12.wi + 0.wh +b. -70,7 Wh NOW, At time step 2 x12 next word gues to same hidden layer with same weights but this time previous step output also comes so, each node of hidden layer culculate tanh (x12 · wi + O1 · wh +b) and gives O2 output. NOW, 2012 = [O, ho, u, u] =7 · second word (1,5) Wi= (5,3)= 0 0.1 0.27 b= Co.1, 0.2, 0.3] = (1,3) 0:1 0:1 (5.3)

