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AMA DEEL LEARNING AMA

BOO ASSIGNMENT - 1 BOO

NAME : POMIL HOLKAR

ROLL NO: DOOG

COURSE: MITECH (DATA DELENCE 2021-2023)

collège: pmims-mpstme

[81]. NO of RNN unit = 2

$$w_x = [3, -4]$$
 3 bh = 0

$$w_h = \begin{bmatrix} 4 & -5 \\ -3 & 2 \end{bmatrix}$$
; by = 10.  
ho = [0,0]

$$w_y = \begin{bmatrix} -4 \\ 2 \end{bmatrix}$$
;  $\chi_{1=1}, \chi_{2=2}, \chi_{3=3}$ 

ht = tanh (work + wh ht-1 +bh)

$$h_1 = \tanh (1 \times (3 - 4) + 0 + 0)$$

$$h_2 = \frac{1}{100} \left( \frac{2 \times (3 - 4)}{(3 - 4)} + \left[ \frac{0.99505 - 0.99932}{(3 - 4)} \right] \right)$$

$$h_3 = \frac{1}{2} \left[ \frac{4}{3} + \frac{5}{2} + \frac{5}{2} + 0 \right]$$

$$\frac{\hat{y}}{1} = wyht + by$$

$$\hat{y} = wyhz + by = [1 -1][-4] + 10 = -6+10$$

$$\hat{y} = 4$$

$$\frac{\hat{y}}{1} = 4$$

図. Dense -> (24×16) + 24

{NO: A) unité × NO: A) {Backprop}

{previous RNN layer} [IT]. Dense (output layer) -> 150 (6× 24) { previous Hidden layer }