Let un consider a statement - "reason with logic."
[Source statement in English]

Translated statement in Hindi - (To as 712 os 712)

How Tx = 3 & Ty = 4

We apposite a hidden state for each word of English statement

Word hidden state Encoding h= 9(wh-1+

0.5, 0.3]
7,0.4,0.6]
-0.3, 0.4]

Here his is a vector of 4 dimensions.

ľ				
We know we can g	ut h.E as below	١.	-	
$h_i^E =$	f (WE hi-, +	$u_i + b$		9 9
Hou WE	is of order to	$\frac{1}{2}$ $\frac{4}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	is infut	Vocab
h_{i}	is of order 4) - /	/G\
u	is of order 4	$\left(\begin{array}{c} x & im \\ x & im \end{array}\right)$ 3	0,000	O JUANOM
$\frac{\alpha_i}{\alpha_i}$	is forder. V	\hookrightarrow	y V	
b	is of order 4.	Instin Take	tank, nig	moid etc]
1	ID WI) accounted	, jarreser L		

[Note: In paper, they would
$$h_t = f(x_t, h_{t-1})$$
 [Page 2]]
$$\downarrow h_i \in \mathbb{R}^m$$

1 to hunder the word 745?

ale suppose that we mud to frudict the world 'the' The hidden state he $9_0 = [0.3, 0.4, 0.1]$ [Note: - We used an ember hidden state with dimension = 3] The hidden state from encoder was of size 4XI lile will compider a matrix of size 3X4 to consurt the unter h_i to u.

complored weters are. $\hat{h}_i^E = W_c h_i^E$ $\hat{h}_i^E = W_c h_i^E$ $M_c will be a tramable matrix

<math display="block">M_c = M_c h_i^E$ $M_c = M_c h_i^$ 4XI victor h. to 3XI $(\mathcal{V}_{\mathcal{I}_{\mathcal{X}_{\mathcal{Y}}}}) \mathcal{A}_{\mathcal{I}}^{\mathcal{L}} \rightarrow \mathcal{A}_{\mathcal{X}_{\mathcal{I}}}$ The transformed weters are. We con nider Wave & Wenc as two matrices such that Wenc $\hat{h}_{1}^{E} + W_{dic} \hat{b}_{0} = Z_{1}$ Wenc $\hat{h}_{2}^{E} + W_{dic} \hat{b}_{0} = Z_{2}$ Wenc $\hat{h}_{3}^{E} + W_{dic} \hat{b}_{0} = Z_{3}$ Wenc $\hat{h}_{3}^{E} + W_{dic} \hat{b}_{0} = Z_{3}$

When
$$A_{13} = V_a Tornh(Z_1)$$

$$e_{13} = V_a Tornh(Z_3)$$

$$e_{13} = V_a Tornh(Z_3)$$

$$V_{13} = V_a Tornh(Z_3)$$

$$V_{13} = \frac{exp(e_{11})}{\sum_{z=1}^{2} exp(e_{y})} = \frac{exp(e_{11})}{A} = 0.7$$

$$V_{23} = \frac{exp(e_{12})}{A} = 0.7$$

$$V_{13} = \frac{exp(e_{13})}{A} = 0.7$$

$$V_{1$$

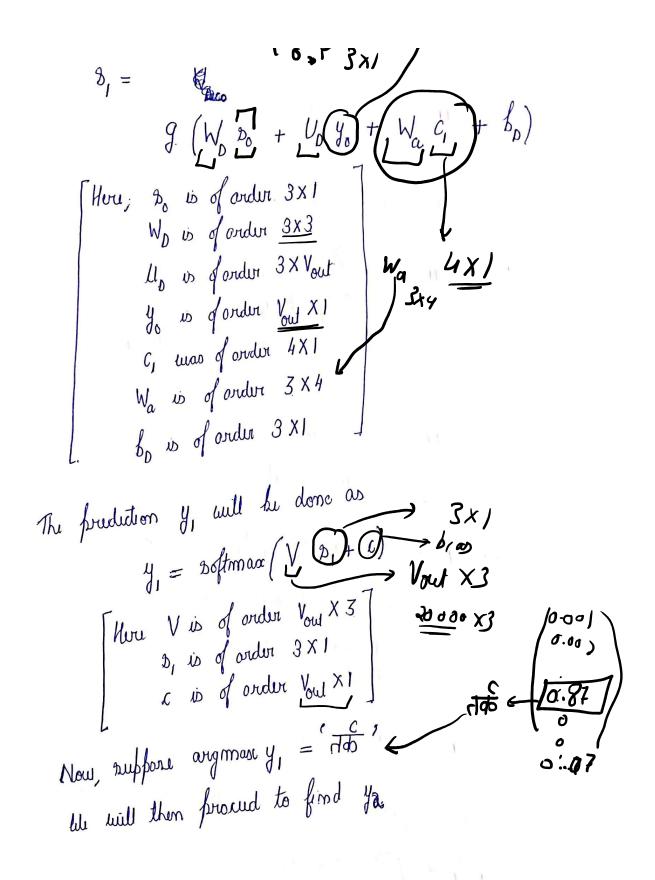
The decoder fredericks are done in following may: $\delta_1 = g(y_0, s_0, c_1)$

$$\langle \lambda o \lambda \rangle,$$

$$\lambda_0 = \begin{pmatrix} 0.3 \\ 0.9 \\ 0.1 \end{pmatrix}$$

$$\lambda_1 = \lambda_1$$

part5 Page 3



Reason logu

