a lignge model that an halle unbounded contest (prefex)

$$\int [(X_1, X_2, \dots, X_T)] = \int [(X_1, X_1, \dots, X_{t-1})] \times f(X_t, X_1, \dots, X_{t-1}) \times f(X_t, X_t, \dots, X_{t-1}) : n.gm [M]$$

Neural probablishe lapy mild.

①
$$F(X_t, X_{t-n,t-1}) = e'(x_t)^T h + b'(x_t)$$
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$$d\left(\begin{array}{c} W_{t-n} \\ W_{t-n+1} \\ \end{array}\right) \cdots \left(\begin{array}{c} U(x_{t-n+1}) \\ \vdots \\ U(x_{t-n}) \\ \end{array}\right) = \frac{n}{n-1} W_{t-n} \cdot U(x_{t-n})$$

A text classifier summarses the capit-text $X=(X_1, \dots, X_T)$

A recurrent neural network.

· recursify dampuess the imput segmence-

if hti= p(x=lwi,-,we-it), com we add We? . $h_t = R(h_{t+1}, w_t)$, where e.g. $R(h_{t+1}, w_t)$ Mar IR = r (W, h, + W, e(w)+b)

(M, h, + W, e(w)+b)

(M, h, + W, e(w)+b)

(M, h, + W, e(w)+b) Avacunt rend not lugge mobil [Mikeln et al. 2010]

Alice \$\int\{\begin{alice}
\text{Me \frac{11\ldots}{\text{ne} \frac{11\ldots}{\text{ne} \frac{1}{\text{ne} \

- Zp(m) logz p(m)

$$\frac{2^{-\log_2 p(m)}}{2^{-\log_2 p(w+|w|)}} = \frac{2^{-\log_2 p(w+|w|)}}{2^{-\log_2 p(w+|w|)}}$$

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