25,02.11 Selz Seg 我爱了了一次可能是Studyingeshoppy 3 O'Sea D'Information 2) Recurrent length) Bottle Neck Sepucture is not parallelizable Attention Mechanism

h, -> Score, h, then,  $h_{1} \rightarrow su.$   $h_{1} \rightarrow su.$   $\lambda \leftarrow sure h_{2}$   $\lambda \leftarrow sure h_{3}$   $\lambda \leftarrow sure h_{4}$   $\lambda \leftarrow$  $h_2$   $\mathcal{U}_{t} = \frac{1}{2} Score_i h_i$ 

Attention is All Unled 我爱学习  $x_1$   $x_2$   $x_3$   $x_4 \in \mathbb{R}^d$  $\begin{aligned}
Q_{ij} &= W_{Q} \cdot X_{i} \quad ; \quad k_{i} = W_{k} \cdot X_{i}, \quad V_{i} = W_{0} \cdot X_{i} \\
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Q_{k} &= W_{k} \cdot X_{i} \cdot X_{i} \\
Q_{k} &= W_{$ Sofemex exp(Wij) D Parallelization  $W_{ij} = \frac{1}{\sum_{l=1}^{n} e^{x} p(\widetilde{W}_{il})}$ 2) Information
Bottlemak  $y_{i} = \frac{1}{2} W_{ij} V_{j}$ (3) Deg leigh

Black Box doing Text