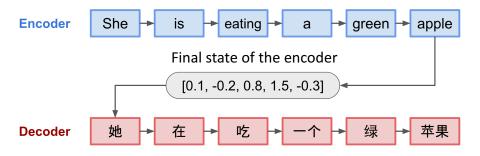
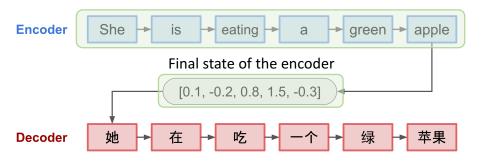
Shusen Wang

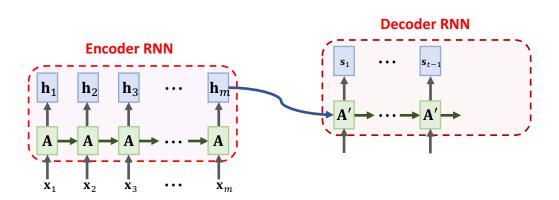


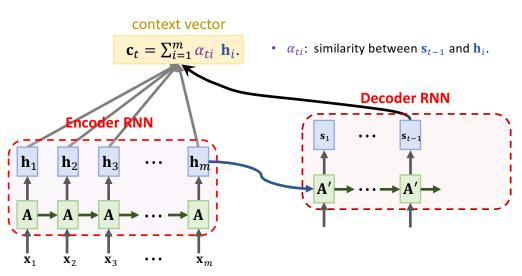
The figure is from blog lilianweng.github.io

Shortcoming: The final state is incapable of remembering a **long** sequence.



The figure is from blog lilianweng.github.io

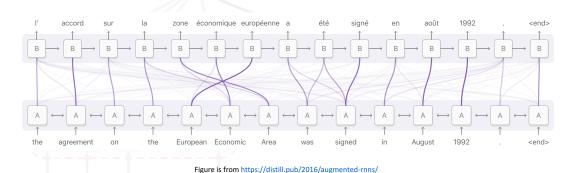




context vector

$$\mathbf{c}_t = \sum_{i=1}^m \alpha_{ti} \; \mathbf{h}_i.$$

• α_{ti} : similarity between \mathbf{s}_{t-1} and \mathbf{h}_i .



context vector

$$\mathbf{c}_t = \sum_{i=1}^m \alpha_{ti} \ \mathbf{h}_i.$$

• α_{ti} : similarity between \mathbf{s}_{t-1} and \mathbf{h}_i .

