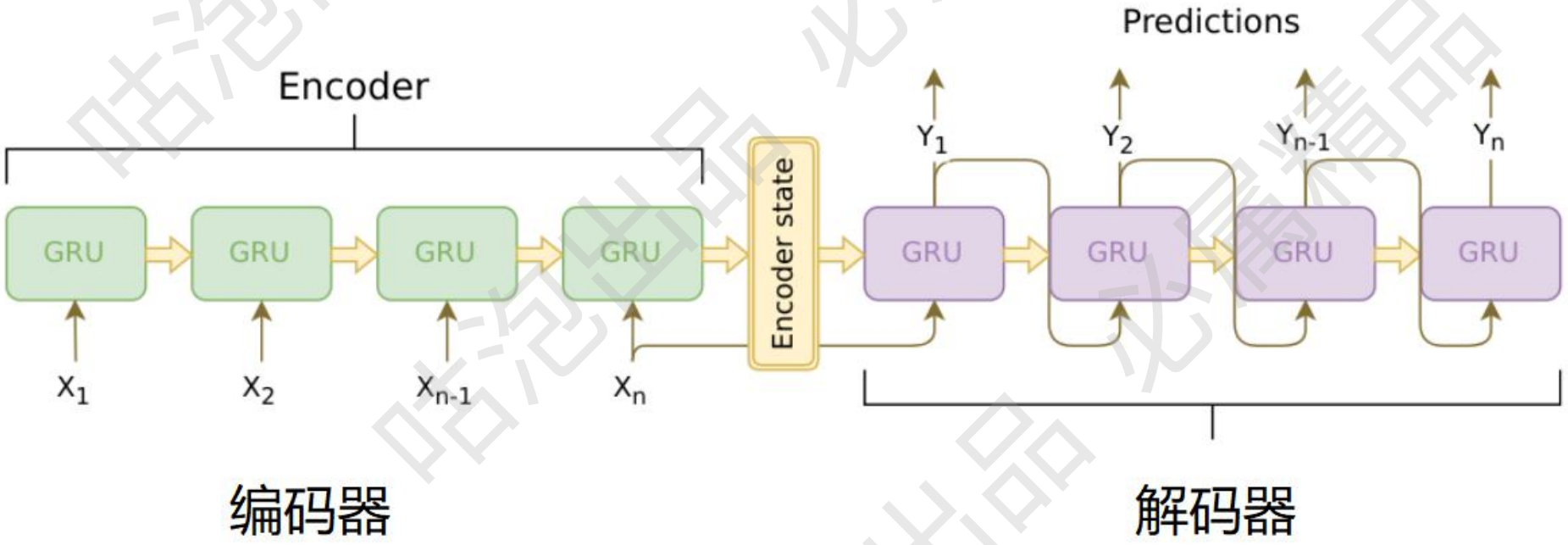
seq2seq

- 模型长什么样子呢?

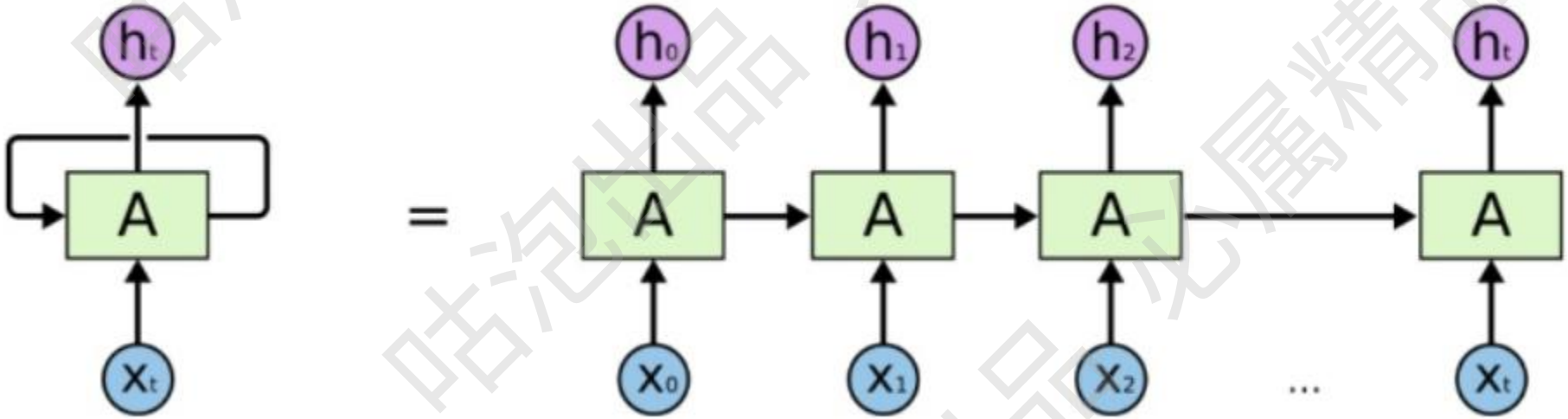
- 想想谍战片里，我方情报员与敌方情报员：



seq2seq

- 先来回归下RNN

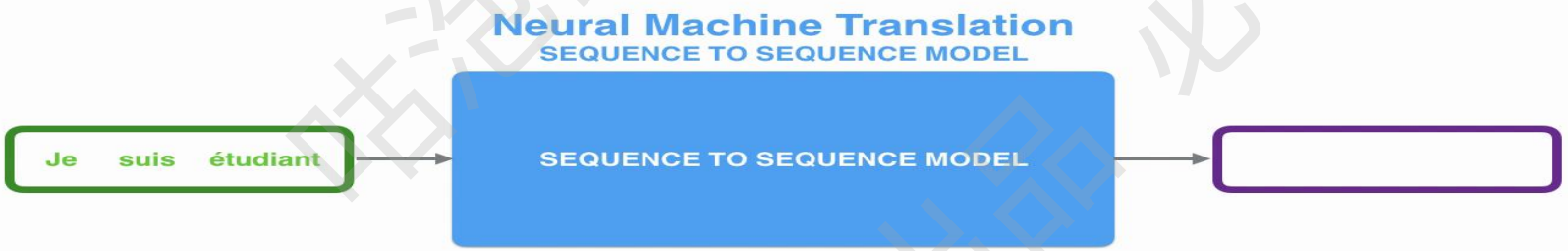
- 传统的的递归神经网络，但是也有很多缺点！



seq2seq

- 咋工作的呢?

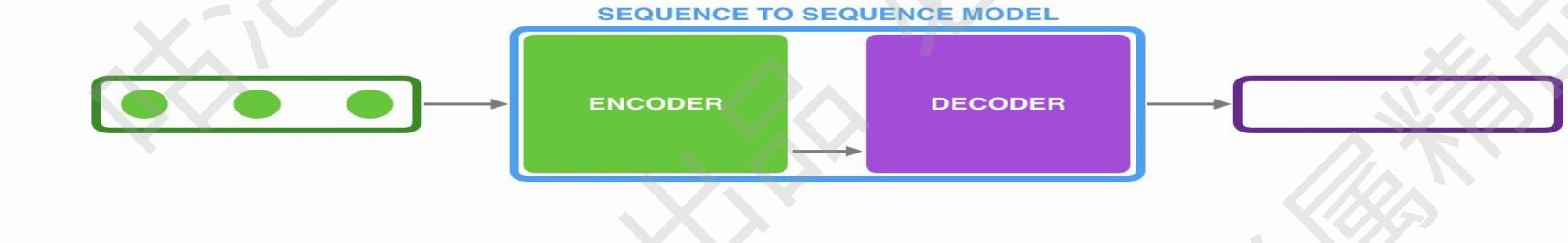
- 整体模型看起来就像是先把所有输入一个个吃掉，然后再输出结果

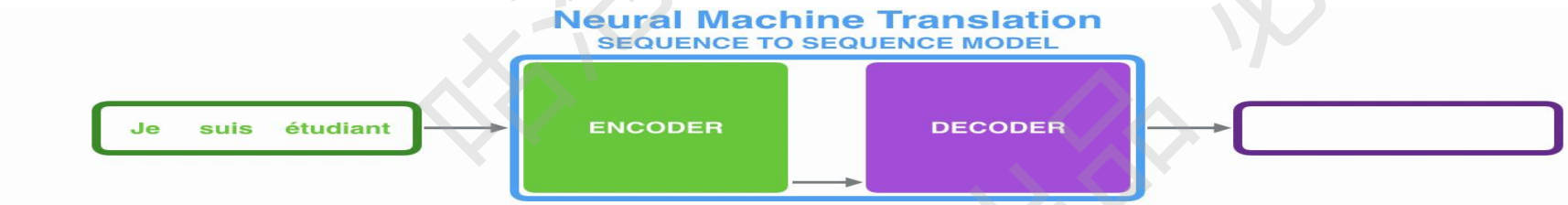


seq2seq

- 咋工作的呢?

- 这其中需要先用编码器完成所有编码任务，再有解码器输出



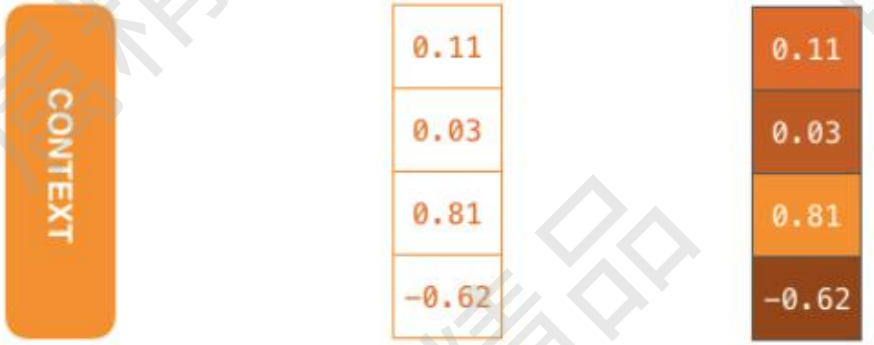


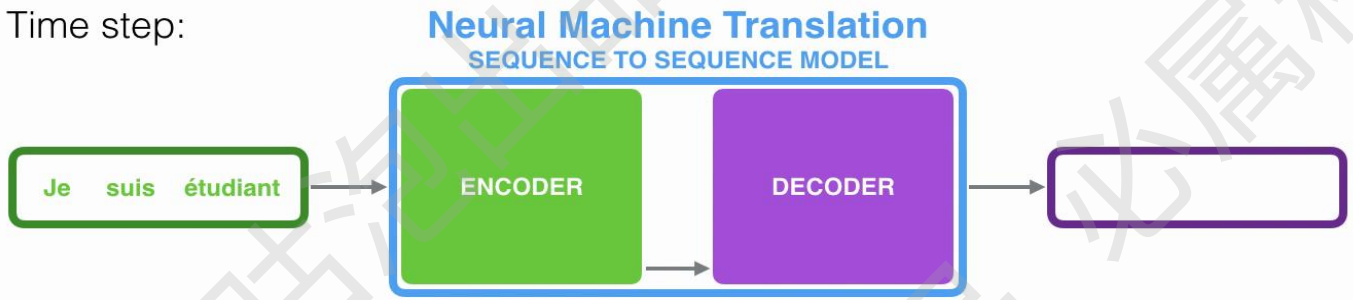
seq2seq

- 编码特征长什么样子？

- 其实就是数值特征，例如128，256维

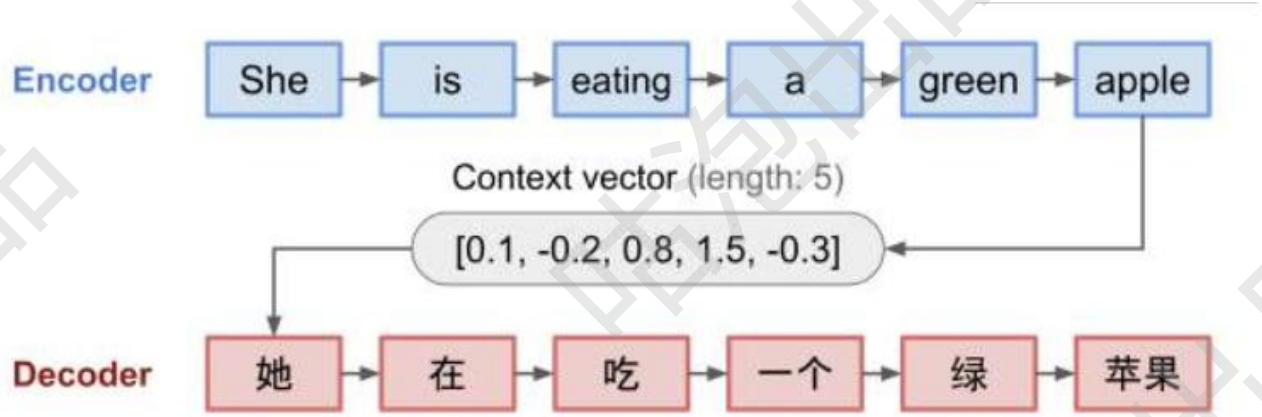
- 结合RNN一起来观察下：

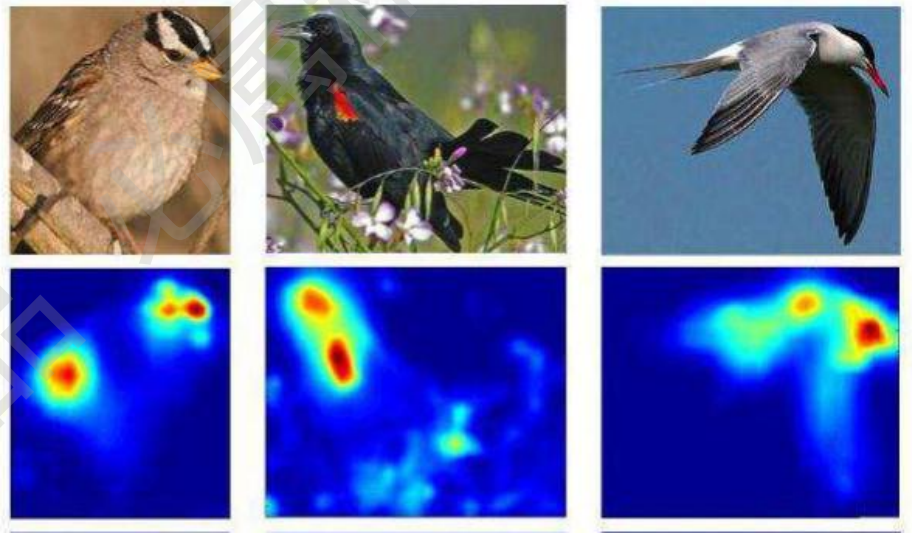




Attention

- Attention是啥意思呢?
  - 对于输入的数据，你的关注点是什么?
  - 如何才能让计算机关注到这些有价值的信息?



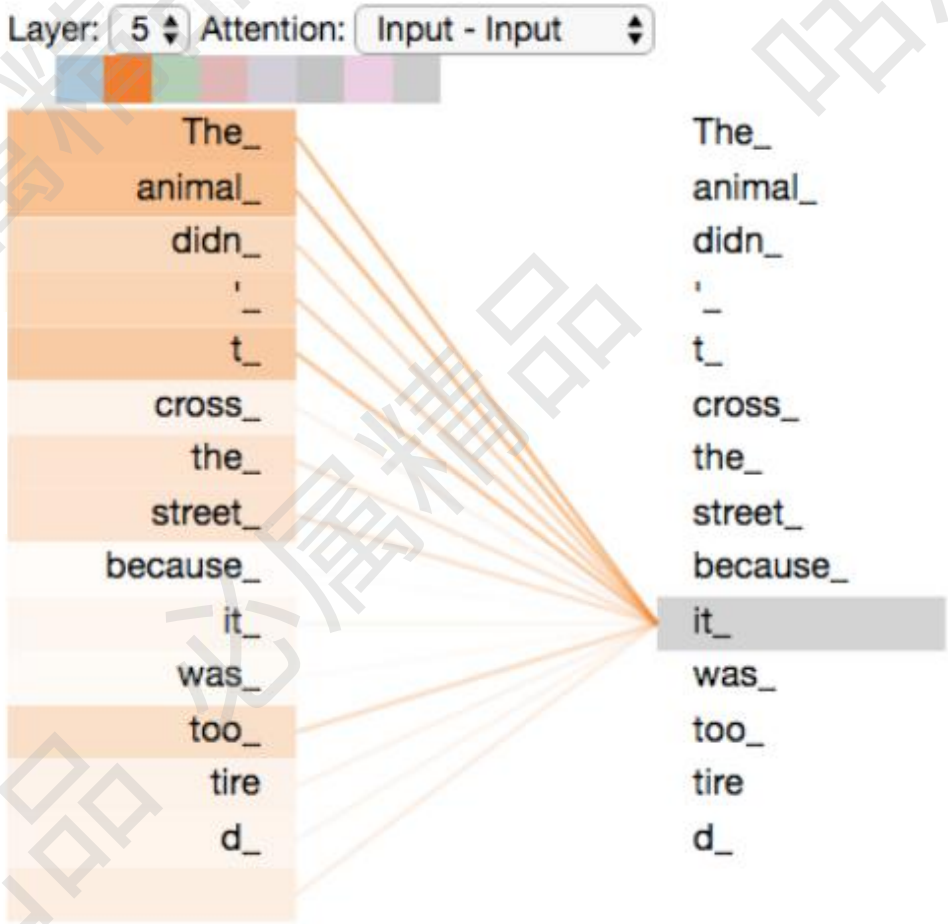


Attention

- attention的效果：

The animal didn’t cross the street because it was too tired.

The animal didn’t cross the street because it was too narrow.



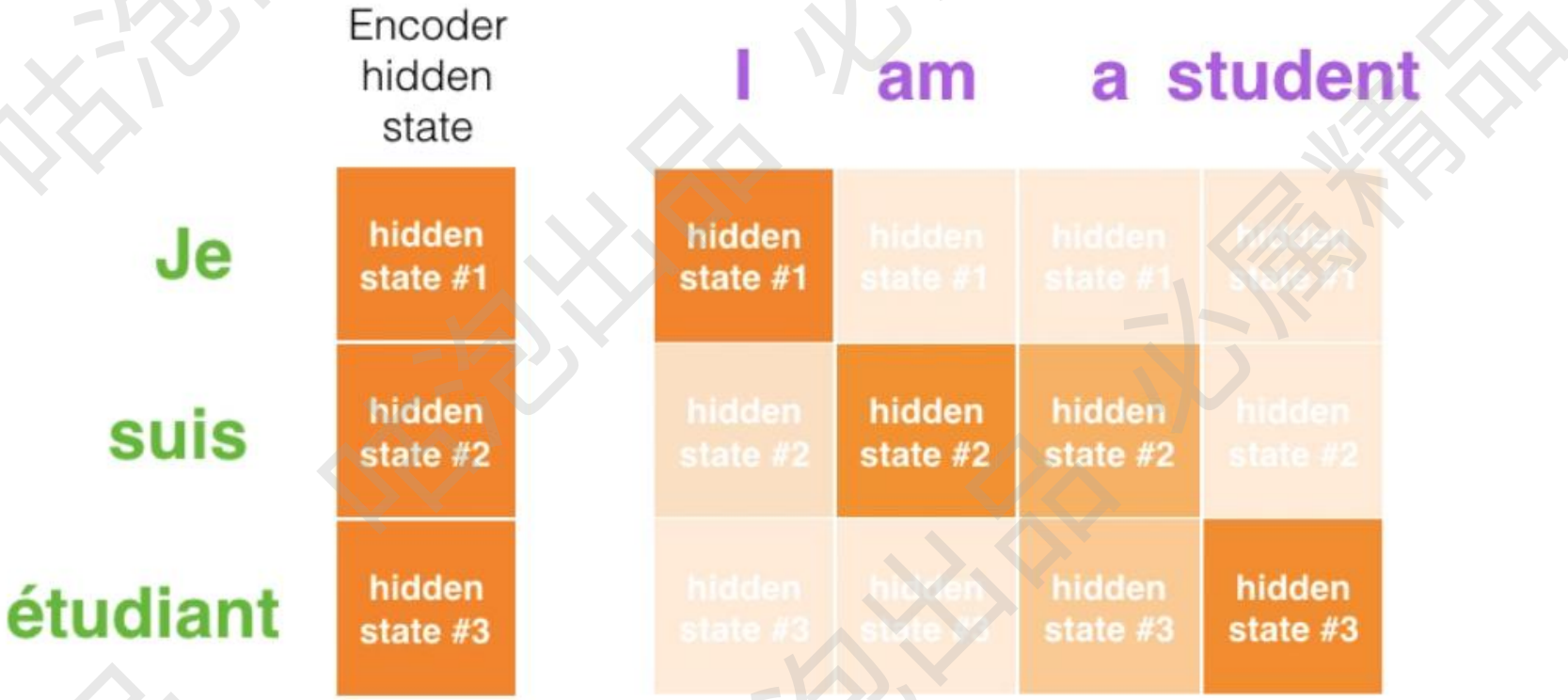
seq2seq

- 加入Attention的Seq2Seq

seq2seq

- 加入Attention的Seq2Seq

  - 其实就相当于每一个输出的关注点都是不同的!



seq2seq

- Teacher Forcing

从小我的妈妈就跟我说，要跟好孩子在一块玩。。。