Recurrent Neural Networks

Bidirectional RNN

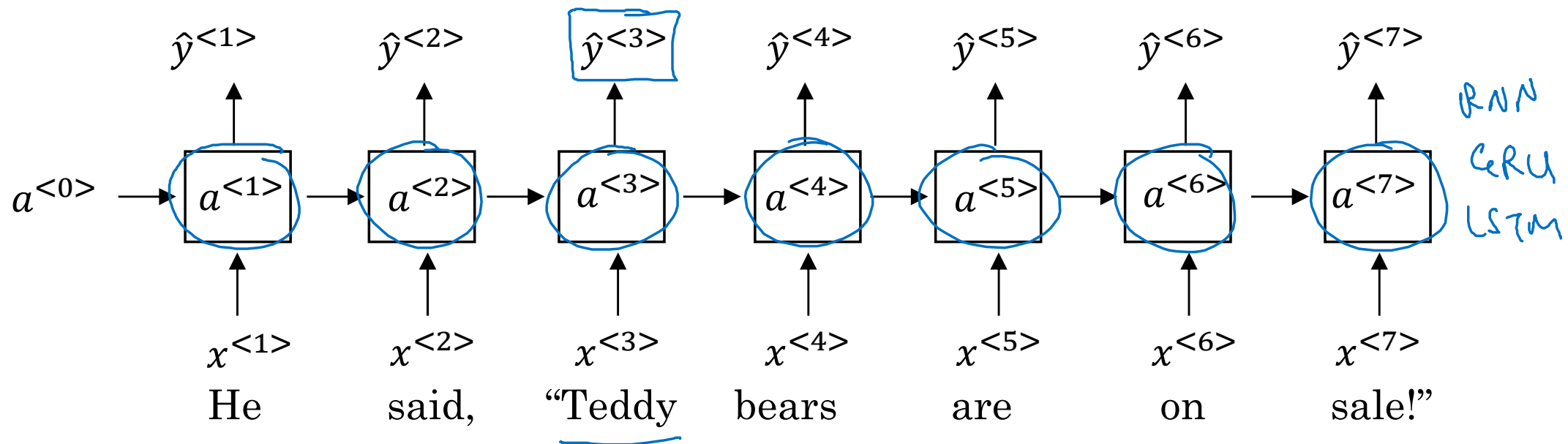deeplearning.ai

Getting information from the future

He said, "Teddy bears are on sale!"

He said, "Teddy Roosevelt was a great President!"

RNN
GRU
LSTM

Bidirectional RNN (BRNN)

$$\hat{y}^{(t)} = g(W_y[\overrightarrow{a}^{(t)}, \overleftarrow{a}^{(t)}] + b_y)$$

GRU
LSTM

Acyclic graph

He said, "Teddy Roosevelt ...."

BRNN w/ LSTM

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