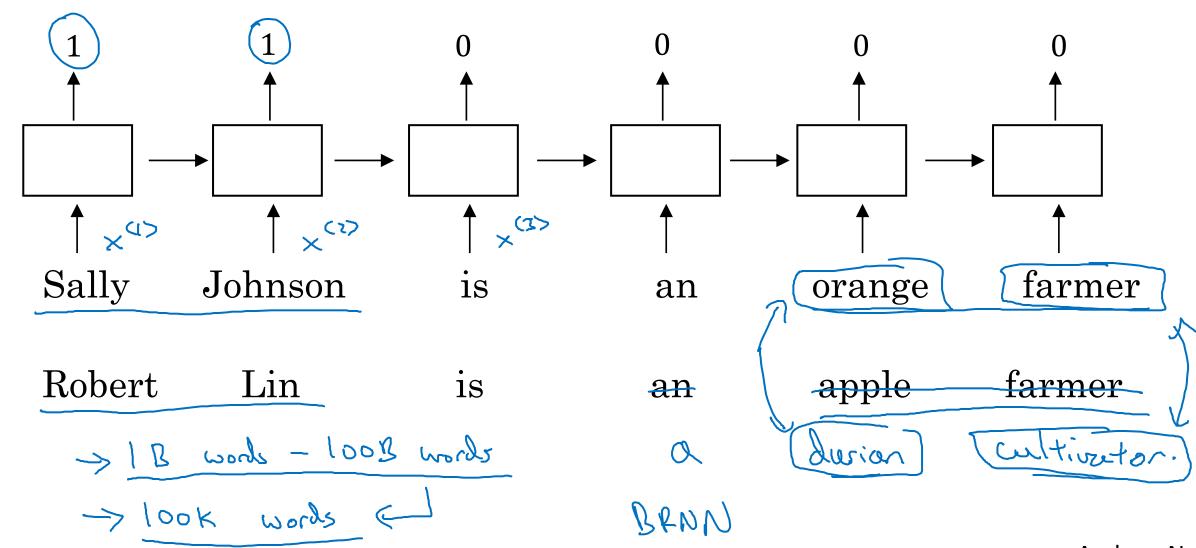


## NLP and Word Embeddings

Using word embeddings

## Named entity recognition example



## Transfer learning and word embeddings

- 1. Learn word embeddings from large text corpus. (1-100B words)

  (Or download pre-trained embedding online.)
- 2. Transfer embedding to new task with smaller training set. (say, 100k words) → 10,000 → 300
  - 3. Optional: Continue to finetune the word embeddings with new data.

