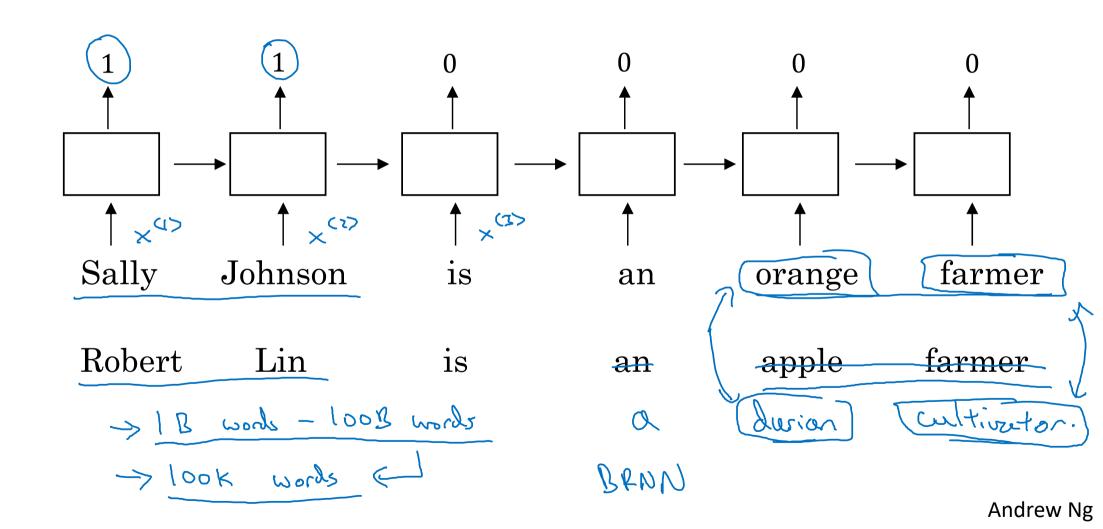


NLP and Word Embeddings

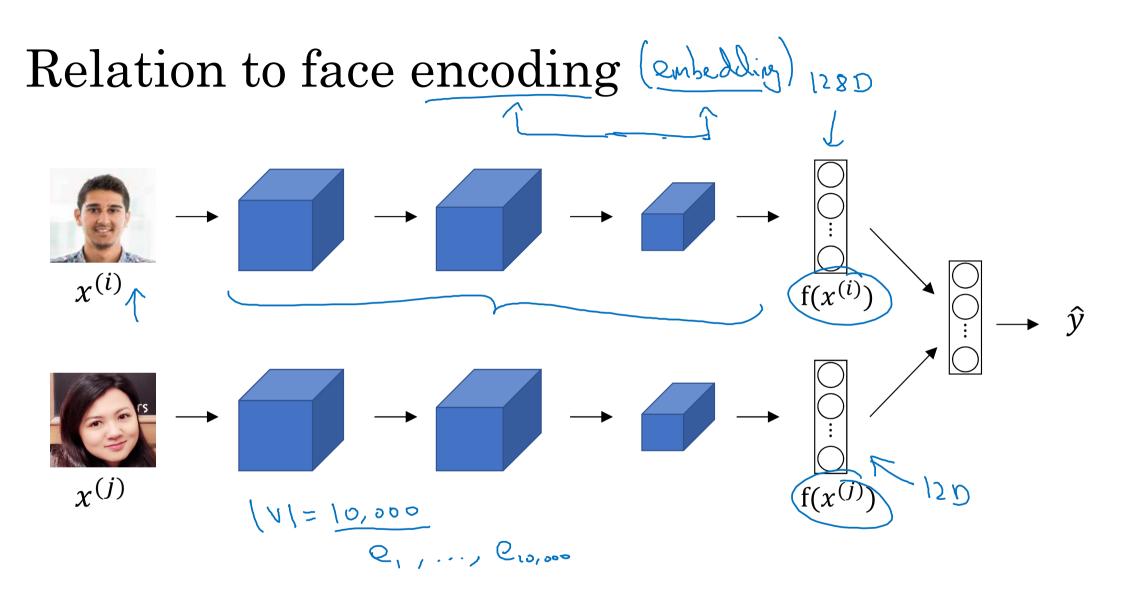
Using word embeddings

Named entity recognition example



Transfer learning and word embeddings

- 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.



[Taigman et. al., 2014. DeepFace: Closing the gap to human level performance]