



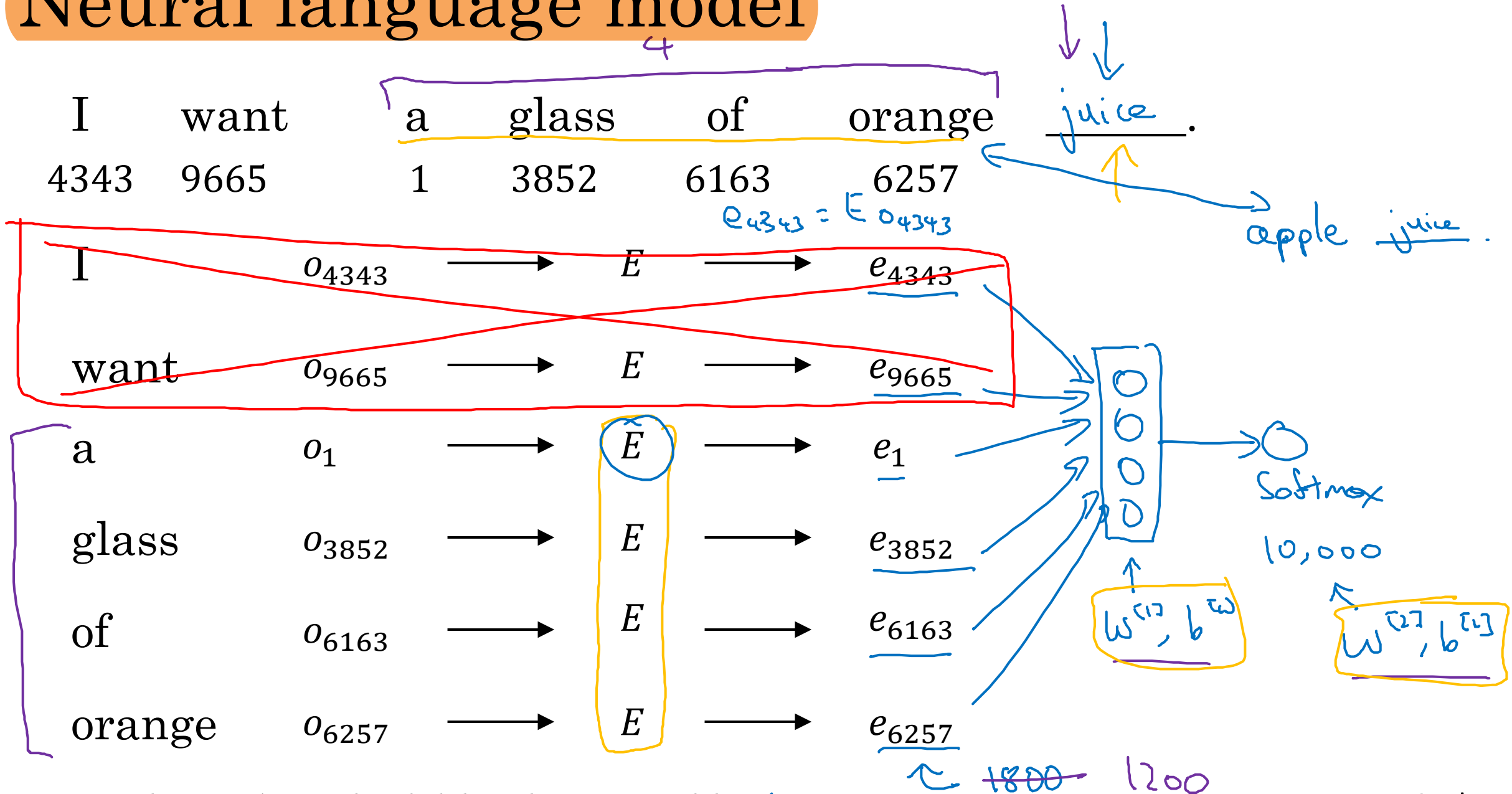
deeplearning.ai

# NLP and Word Embeddings

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## Learning word embeddings

# Neural language model



[Bengio et. al., 2003, A neural probabilistic language model] ←

# Other context/target pairs

I want a glass of orange juice to go along with my cereal.

Diagram illustrating context and target pairs for the word "juice":

- Context:** I want a glass of orange
- Target:** juice

**Context:** Last 4 words.

- 4 words on left & right
- Last 1 word
- Nearby 1 word

a glass of orange ? to go along with

orange ?

glass ?

skip gram