

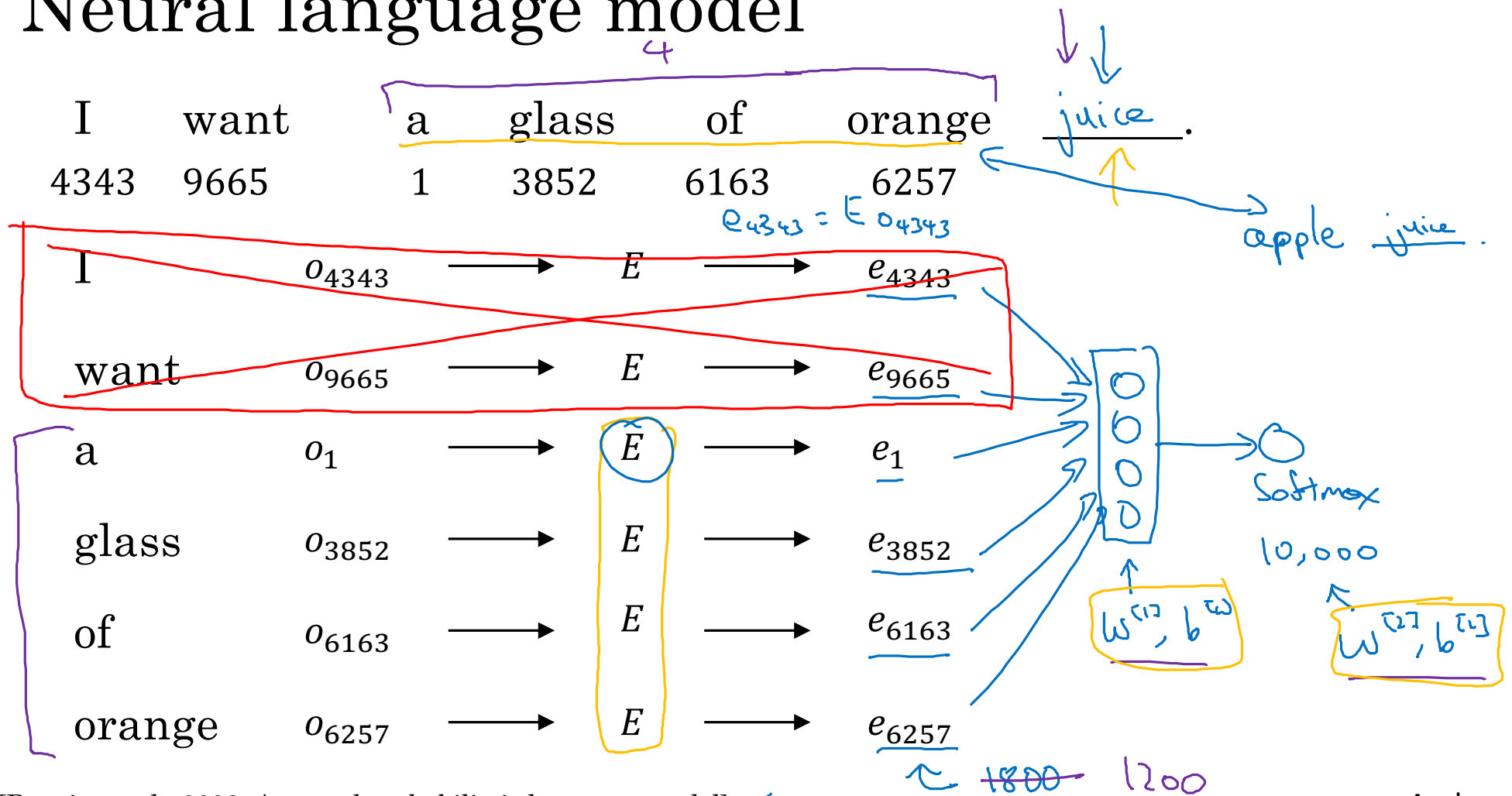


deeplearning.ai

NLP and Word Embeddings

Learning word embeddings

Neural language model



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

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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 "orange":

- Context:** The words "a glass of" are grouped by a purple bracket and labeled "Context" in purple.
- Target:** The word "orange" is underlined in blue and labeled "target" in blue.
- A green arrow points from the "orange" box to the word "juice".
- A purple arrow points from the "Context" bracket to the word "juice".

Context: Last 4 words.

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

Diagram illustrating context and target pairs for the word "orange" based on the last 4 words:

- 4 words on left & right:** "a glass of orange" is underlined in purple, followed by a question mark and a period, then "to go along with" is underlined in purple. A purple arrow points down from the question mark to the word "orange".
- Last 1 word:** "orange" is underlined in green, followed by a question mark and a period.
- Nearby 1 word:** "glass" is underlined in red, followed by a question mark and a period.

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