

Ling 3701H/Psych 3371H, Spring 2020
Midterm Exam 2

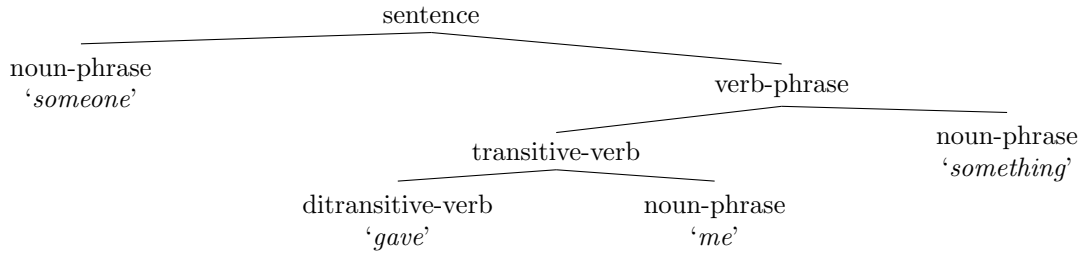
Due via Carmen upload at 2:20PM eastern time on April 24.

You must do your examination yourself, on your own.

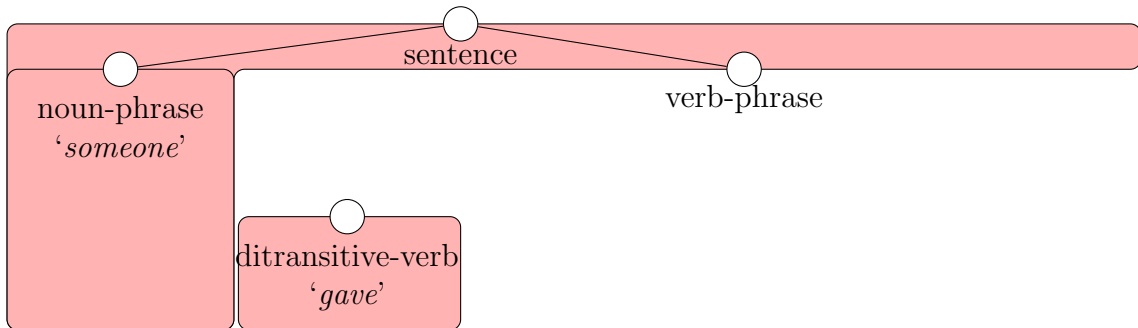
Copying another's work, or allowing (even negligently) others to copy your work, is cheating and grounds for penalties.

Student name

1. According to the sentence processing model described in the lecture notes, assume the following complex event (a sentence) is being recognized:



and the following events and event fragments have already been constructed:



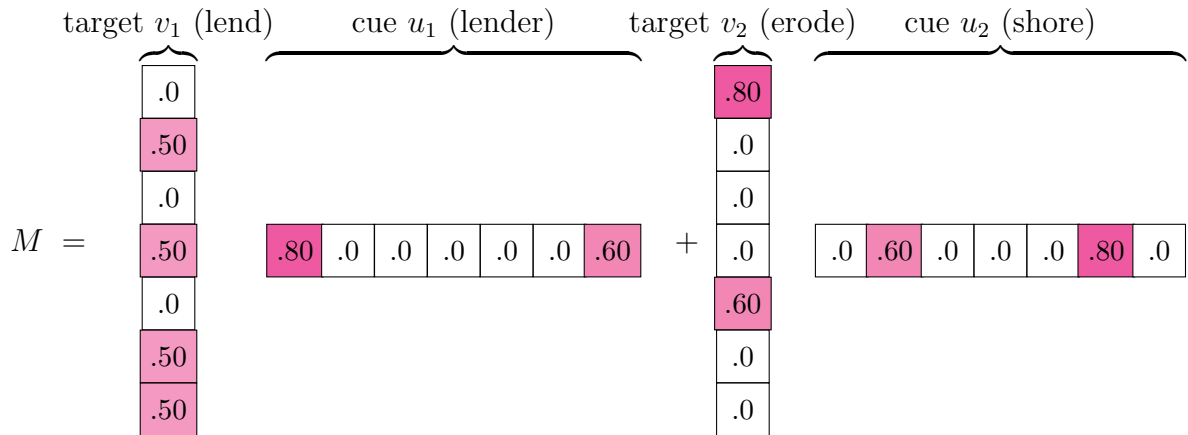
- (a) [6 pts.] Draw the event fragments that would exist after one non-terminal decision.
 (b) [2 pts.] Which outcome (match or no-match) is used in this decision?
 (c) [2 pts.] How many groups of inter-connected events are in the event structure now?
2. (a) [4 pts] What is the garden path model?

(b) [3 pts] Describe at least one piece of evidence that has been used to support it, and explain how this counts as evidence.

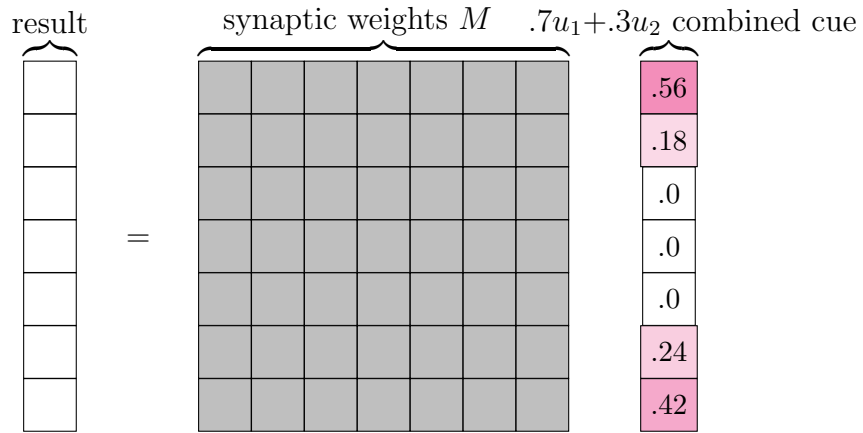
(c) [3 pts] Describe at least one piece of evidence that has been used against it, and explain how this counts as evidence.

3. [10 pts] What explanations have been proposed for observed difficulty in processing object relative clauses?

4. Assume associative memory M is made from cues u_1, u_2 and targets v_1, v_2 , as below:



(a) [7 pts.] What results from cueing M with mixture $.7u_1 + .3u_2$? (Don't calculate the matrix!)



(b) [3 pts.] Describe the result in terms of v_1 and v_2 .

5. (a) [5 pts] According to course readings, how might ambiguity facilitate comprehension?

(b) [5 pts] What conclusions about language has this been used to support, and how?

6. (a) [4 pts] What is the variable choice (a.k.a. race) model?

(b) [3 pts] Describe at least one piece of evidence that has been used to support it, and explain how this counts as evidence.

(c) [3 pts] Describe at least one piece of evidence that has been used against it, and explain how this counts as evidence.

7. (a) [5 pts] What is a picture word interference task?

(b) [5 pts] What conclusions about language has it been used to support?

8. [10 pts] What do speech errors tell us about the order of word-ordering decisions and phonological decisions?

9. (a) [5 pts] What is lexical bias?

(b) [5 pts] What conclusions about language has it been used to support, and how?

10. (a) [5 pts] Describe at least one piece of evidence that has been used to support the cascaded production model, and explain how this counts as evidence.

(b) [5 pts] Describe at least one piece of evidence that has been used against the cascaded production model, and explain how this counts as evidence.