

Assignment 1: Extensions and Distributivity

(1) The Basics of Plural NPs and DPs

Suppose that the extension of “dog” is as in (a) below. Please calculate the extensions of (b) and (c) (and please show your work).

- a. $[[\text{dog}]]$ = { Spot, Rex, Fido, Lulu }
- b. $[[\text{dogs}]]$
- c. $[[\text{the dogs}]]$
- d. $[[\text{the dog}]]$

(2) The Basics of the Extensions of Vs, Part 1

In your own words, please informally describe the kind ‘situation/world’ where the extension of “carry” is as in (a) and (b).

- a. Extension in a ‘Classical Semantics’
{ < Dave, Book-1 > , < Tom, Book2+Book3 > , < Dave+Tom, Book4 > }
- b. Extension in an ‘Event Semantics’
{ <e₁, Dave, Book-1> , <e₂, Tom, Book2+Book3> , <e₃, Dave+Tom, Book4> }

(3) The Basics of Extensions of Vs, Part 2

Please give the extension of the V “cook” in the following situation:

Dave cooked egg-1. Tom and Dave together (working as a team) cooked egg1 and egg2 (mixed up together).

Please give the extension in both a ‘classical semantics’ and in an ‘event semantics’.

(4) The Basics of Distributive Interpretations

Suppose that John and Dave together, as a team, built a raft. Is the LF in (a) true? Why or why not? Is the LF in (b) true? Why or why not?

- a. $[[\text{John and Dave}] [* [\text{built a raft}]]]$
- b. $[[\text{John and Dave}] [\mathbf{D} [\text{built a raft}]]]$