Quantifiers, Ambiguity, Underspecification and Compositionality

Syntax and Semantics of Natural Language, ACS 2011, Assignment 4
© Ted Briscoe (ejb@cl.cam.ac.uk) GS18

1 Deadline

Hand in this assignment to me at the lecture on Tuesday 15th March.

2 Task

For each sentence: 1) enumerate the possible interpretations using fully-specified well-formed formulii of some logic (3 marks / sentence); 2) describe how the truth-conditions for one interpretation can be computed with respect to an appropriate model (2 marks / sentence); 3) give an underspecified representation which captures those aspects of the meaning determined by the syntax and lexical semantics (2 marks / sentence); and 4) sketch how this underspecified representation can be built compositionally from the CCG derivation (3 marks / sentence).

3 Sentences

(1) Few women I know smoke or drink heavily.

(2) Most students who have a project supervisor probably like her.