

Exercises due on: Thursday, May 28th, 10 AM (before class)

Semantic Theory 2015: Exercise sheet 3

Exercise 1

Give the truth conditions for the following sentences, interpreting the (complex) determiner as a relation between sets. You can interpret each VP as a property (i.e., a set of entities). Illustrate your answer with a graphical representation of a model.

- a. Some but not all Muggles are afraid of magic.
- b. Every wizard but Harry fears Voldemort.
- c. At most five girls play Quidditch.
- d. Few Gryffindors are lazy.

Exercise 2

Determine the monotonicity properties (left and right) of the following determiners.

- a. exactly five
- b. at least five
- c. at most five
- d. some but not all

Exercise 3

Prove that the following statement holds:

- The external negation of an upward monotonic quantifier is a downward monotonic quantifier.