SoSe 2022

Introduction to Formal Semantics

Dr. Volha Petukhova & Nicolaie Dominik Dascalu

Exercise sheet n.6

Total points -/25

Note: Are there questions you would like to discuss during the tutorial? If yes, please send them to me (nddascalu@lsv.uni-saarland.de) so that we can go through them together.

Exercise 1 (-/08)

- (1) Briefly explain the logic behind *subsective* and *intersective* adjectives.
- (2) Is there an issue with the following reasoning? If yes explain why.

P₁ Tommy Lee is a skillful drummer.

 P_2 Tommy Lee is an artist.

- ∴ Tommy Lee is a skillful artist.
- (3) How would you interpret "beautiful swimmer" in "Pamela is a beautiful swimmer"? $[\![beautiful\ swimmer]\!] = \dots$
- (4) What is a *privative adjective*? Give a brief explanation and interpretation.

 $\llbracket ... \rrbracket = ...$

Exercise 2 (-/6)

(1) Mark is a base player.

The sentence above shows a problem. Why? Build a working tree representation (including types and lambda abstractions) for sentence (1) and illustrate the strategy you'll be using to solve its issue.

*hint: In Champollion, Chp.6 you will find several solutions to this issue.

Exercise 3 (-/5)

Apply $\it predicate \ modification$ to the following definite description:

(2) The lonely shepherd.

*hint: keep the iota operator in mind.

Exercise 4 (-/6)

Apply both *quantifier raising* and *type shifting* to the following sentence: No need to apply lambda conversions

(3) Wolverine enjoys every battle $\langle \langle e, t \rangle, t \rangle$.