

Section Handout 3

LINGUIST 130A/230A Section

Winter 2022

1 Levin et al. hypotheses

What would Levin et al. (2019) and the essence-related/event-related modifier hypotheses predict about the meanings of these known compounds?

1. Water bug
2. Butterfly knife
3. Panini press
4. Power plant

2 Function Representation

For each of the below, think through (and represent) the characteristic set, function, and how you might write it in lambda calculus:

1. The Simpsons
2. The LINGUIST 130A/230A teaching team
3. The Simpsons that talk

3 Function Application

For each of the below, apply and simplify using the lambda functions you've just constructed:

1. The Simpsons (Bart)
2. The Simpsons (Chris Potts)
3. The LINGUIST 130A/230A teaching team (Bart)
4. The LINGUIST 130A/230A teaching team (Chris Potts)
5. The Simpsons that talk (Bart)
6. The Simpsons that talk (Maggie)