Ling 3701H / Psych 3371H: Problem Set 0

Due via Carmen dropbox at 11:59 PM 1/10.

1. For the following expression:

Most $(\lambda_x$ BeingASeed $x)$ $(\lambda_x$ No $(\lambda_e$ BeingAnEvent $e)$ $(\lambda_e$ Growing $e\ x))$

   (a) [5 pts.] Draw circles or braces around each abstraction or application.

   (b) [5 pts.] Describe and identify the type of the result of each abstraction or application.

2. For the sentence: *Most nuts weigh more than most seeds.*

   (a) [5 pts.] Using only predicates, cardinalities, operators, connectives and quantifiers as described in the lecture notes on lambda calculus, write a lambda calculus meaning.

   (b) [2 pts.] Draw circles or braces around each abstraction or application.

   (c) [3 pts.] Describe and identify the type of the result of each abstraction or application.