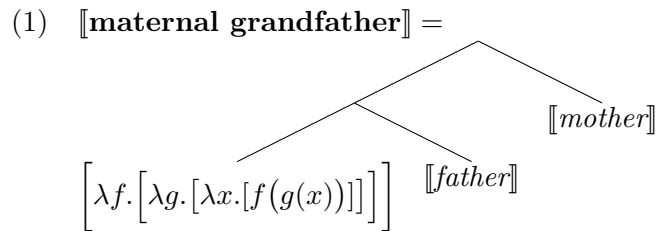


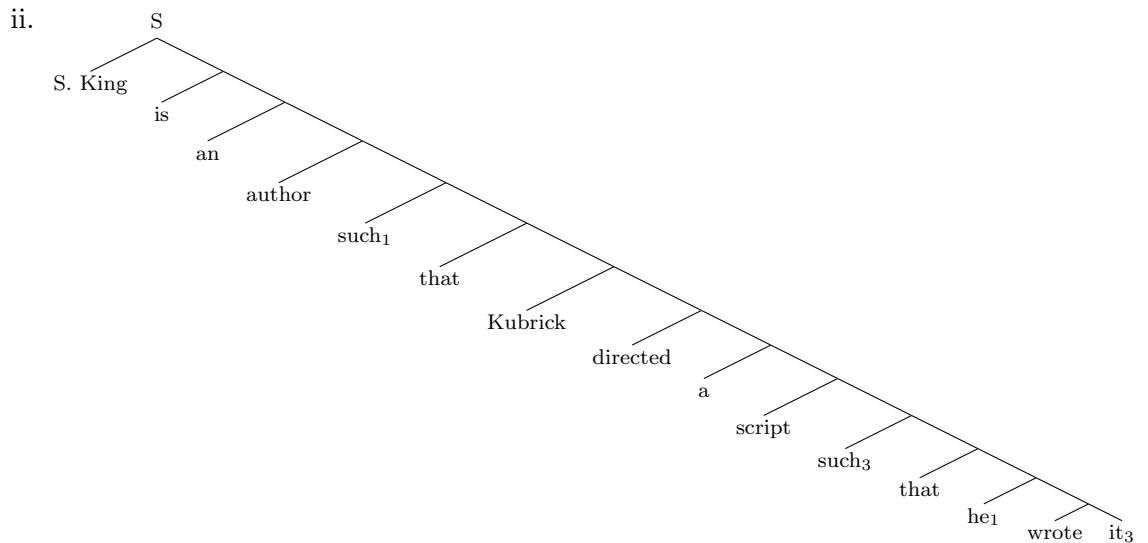
PORTFOLIO OF OPEN PROBLEM SETS. PT. 3

ENGLISH SEMANTICS
DUE ON WED, 12 OCT 2016

- (1) The meaning of *maternal grandfather* can be defined as a composition of the meaning of *father* and the meaning of *mother*, as given in (1). Reduce the λ -function to arrive at this meaning. Use the extra sheet of paper if necessary. Assume that the meaning of *mother* is $\lambda y. [\text{THE-MOTHER-OF } y]$ and the denotation of *father* is $\lambda z. [\text{THE-FATHER-OF } z]$.

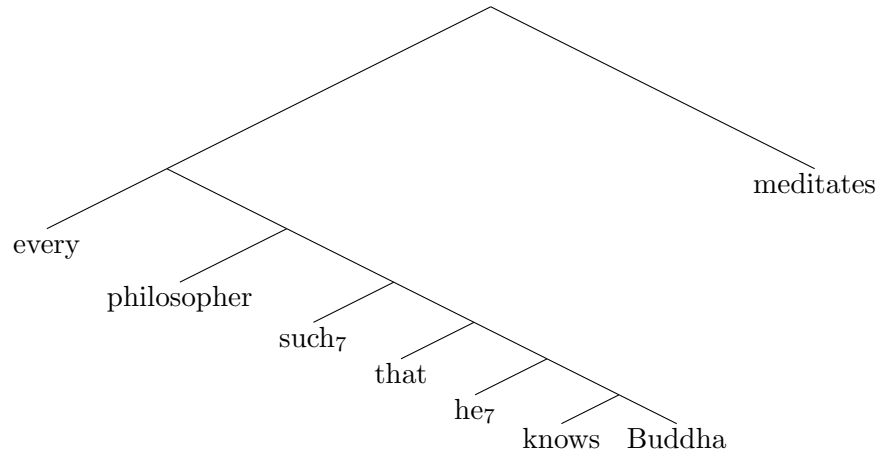


- (2) Calculate the truth-conditions of the sentence in (2i) which associates with the generalised syntactic structure in (2ii).
- i. Stephen King is an author that Kubrick directed a script he composed.



- (3) Calculate the truth-conditions of the sentence in (3a) which associates with the generalised syntactic structure in (3b).

- a. Every philosopher, who knows Buddha, meditates.
b.



- (4) Calculate the truth-conditions of the sentence in (4a) which associates with the generalised syntactic structure in (4b). (NB: there is a type-mismatch within the VP.)

- a. Frege likes every meaning.
b.

