

Theory of Meaning Assignment #6

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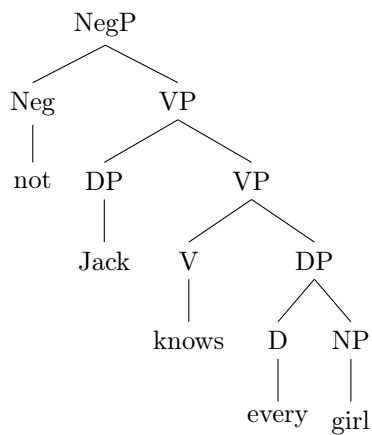
1 Exercise B

loves(jack, y) TRANSITIVE

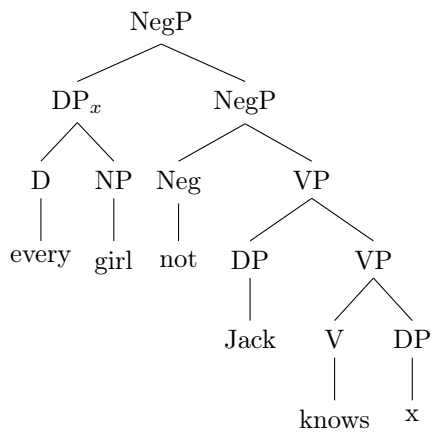
2 Exercise E

1. A world in which every single cat has a dog which loves it, but there is no single dog which loves *every* cat.

2.



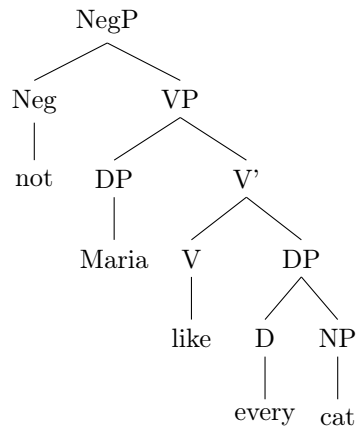
3.



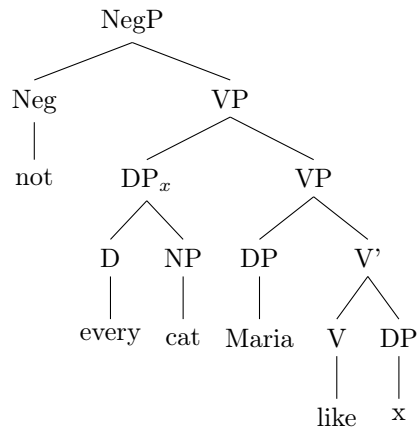
4. knows(jack, x)
5. ¬knows(jack, x)
6. every_x{girl(x)} knows(jack, x)

3 Exercise F

(a) (i)



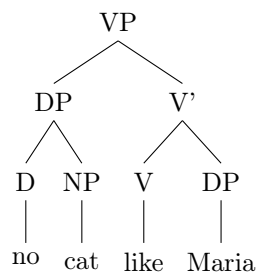
(ii)



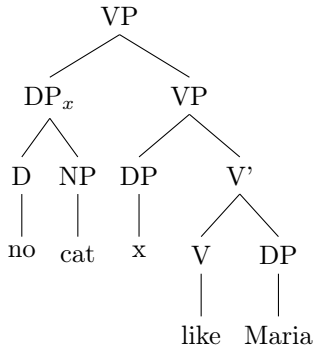
There is another truth conditionally distinct logical form, in which Maria likes *no* cat, rather than just *not every* cat.

(iii) $\neg \text{every}_x \{ \text{cat}(x) \} \text{like}(\text{maria}, x)$

(b) (i)

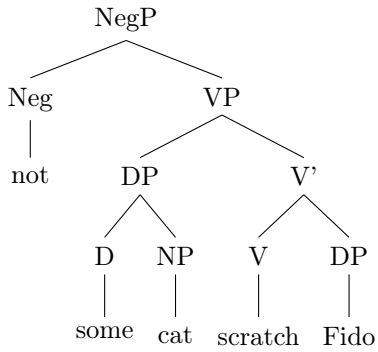


(ii)

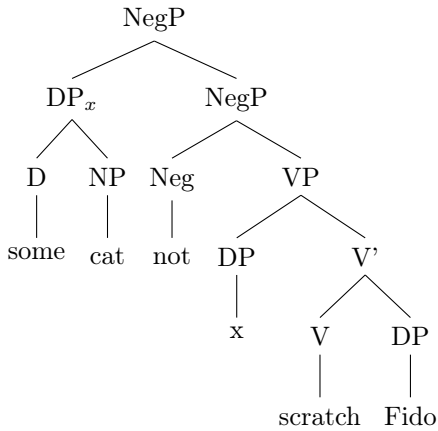


(iii) $\text{no}_x\{\text{cat}(x)\} \text{like}(\text{maria}, x)$

(c) (i)



(ii)



There does appear to be another syntactically valid, truth conditionally independent reading in which the negation comes first, meaning "there is no cat that scratched Fido." In fact, this is probably even the more salient reading. This is making me question everything I believed in.

(iii) $\text{some}\{\text{cat}(x)\} \neg\text{scratch}(x, \text{fido})$