Theory of Meaning Assignment #4

Andrew Zito

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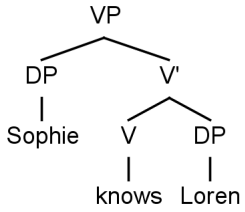
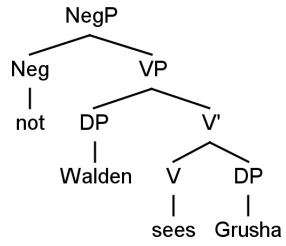
1 "Sophie knows Loren"



knows(**sophie**,**loren**)

1. INSTANTIATE ATOMIC-2: **knows**(**sophie**,**loren**) is true w.r.t. E *iff* E(**sophie**) bears the relation E(**knows**) to E(**loren**)
2. REPLACE LEXICON: **knows**(**sophie**,**loren**) is true w.r.t. E *iff* Sophie bears the know relation to Loren.
3. SET THEORY: **knows**(**sophie**,**loren**) is true w.r.t. E *iff* Sophie knows Loren.

2 "Walden doesn't see Grusha"



¬**sees**(**walden**,**grusha**)

1. INSTANTIATE NOT: ¬**sees**(**walden**,**grusha**) is true w.r.t. E *iff* it is not the case that: **sees**(**walden**,**grusha**) is true w.r.t. E.
2. INSTANTIATE ATOMIC-2: ¬**sees**(**walden**,**grusha**) is true w.r.t. E *iff* it is not the case that: E(**walden**) bears the relation E(**sees**) to E(**grusha**).
3. REPLACE LEXICON: ¬**sees**(**walden**,**grusha**) is true w.r.t. E *iff* it is not the case that: Walden bears the relation sees to Grusha.
4. SET THEORY: ¬**sees**(**walden**,**grusha**) is true w.r.t. E *iff* Walden does not see Grusha.