

a) 3sing verb suffix forces w. d. to modify
'comp. sci' rather than 'friends'

Pl nom suffix forces 'more than one' interp.
of 'some' — section 4

b) $\forall x \exists y, z \text{ CompSci}(x) \ \& \ \text{Friend}(y, x) \ \& \ \text{Device}(z)$
 $\& \ \text{Reprogrammable}(z) \ \& \ \text{Obsess-about}(x, z)$

Variation: Obsess-about(y, z) if no 3sing suffix

$\exists z_1, z_2 \text{ Device}(z_1) \ \& \ \text{Device}(z_2)$

$z_1 \neq z_2$ if Pl suffix

Lexical variants: with(x, y) & friend(y)

decomposition of 'reprogrammable' etc ~~for~~
all acceptable

(NOT: computer(x) & scientist(x))

— section 7

c) Morphology relevant (non3sg + pl/sg diff +
optionally re+programm+able
as features — section 4

Syntactically these features effect parse via imposition of
of agreement constraints to control attachment of
w. d. modifier to head and interp. of final NP

— section 6

Compositional semantics — scope of universal wide
as existential embedded constraints, require
late reduction (or unification) to get right
variable binding & lexical information
about predicate-arity & NN compound
interpretation (at least) — section 7

- d) Representation should be as that extended from requests ~~and~~ or else it will need augmentation with inference about lexical predicates. Logical (e.g. Prolog style) Database & theorem proving better than standard (relational) approach to flexibly cope with range of potential requests - section 9