

in w], because it is not the case that the best syntactician is hired in each of her desire alternatives. And neither is it the best semanticist. The IC $[\lambda w . ix (x \text{ is the best semanticist in } w \text{ and } x \text{ is the best syntactician in } w)]$ will not do either because it will be undefined in those of her desire alternatives where the best syntactician and the best semanticist are two different people. Finally, the IC $[\lambda w . ix (x \text{ is the best semanticist in } w \text{ or } x \text{ is the best syntactician in } w)]$ is also not suitable. Again, in those of Mary's desire-alternatives where the best semanticist and the best syntactician are two different people, this concept will be undefined because it will not be able to pick out a unique individual. There does not seem to be any other options. From this, we conclude that the system of P&S requires a modification.

Proposal. We'll get the TCs right if we can make sure that the IC $[\lambda w . ix(x \text{ is the best semanticist in } w)]$ is used in those alternatives where the best semanticist is hired and the IC $[\lambda w . ix(x \text{ is the best syntactician in } w)]$ is used in those alternatives where the best syntactician is hired. We thus need a system that will generate weaker TCs for (2) by giving us a (possibly different) John-concept in each of Mary's desire alternatives.

- (5) Key idea: Step 1. Separate the following two components that are collapsed into one notion of a CG in P&S: (i) the component that generates the full set of John-concepts for Mary in w ; (ii) a mechanism that chooses a concept from the generated set. Step 2. Let the choice of a concept from the set of concepts be new for each desire-alternative.

We substitute variables over CGs by variables over generators of concept sets (GCS), as defined in (6). Such functions will take an individual and return the full set of concepts of this individual for the attitude holder. We introduce variables over choice functions (CFs) of type $\langle\langle se, t \rangle, se \rangle$. A CF applies to a set of concepts and outputs one of them.

We need only one generator of sets of concepts for an attitude holder. Building on (Heim, 1982), we propose an existential closure over CF-variables that can freely apply at any clausal level. The semantics proposed for *want* is given in (7). The LF for (2) is given in (8). The resulting TCs are given in (9).

- (6) Q is the generator of a concept set (GCS) for x in w iff Q is of type $\langle e, \langle se, t \rangle \rangle$ and, for all entities y , $Q(y)$ is the set of y -concepts for x in w .

- (7) $\|want\|^g = [\lambda w . \lambda P_{\langle\langle e, \langle se, t \rangle \rangle, st \rangle} . \lambda x . \forall w' \in \text{Desire-Alt}(x)(w):$

$$P([\iota Q: Q \text{ is the GCS for } x \text{ in } w])(w')=1]$$

- (8) $[_s \lambda w \text{ Mary } [_{VP} \text{ wants } w \text{ } [_{CP} \lambda G_{\langle e, \langle se, t \rangle \rangle} [\lambda w' . [_s \exists f : [_s \text{ PRO } [_{VP} \text{ to hire in } w' \text{ } [[[_G \text{ you}] f] w']]]]]]]]]]$

- (9) $\|(8)\|^g = [\lambda w . \forall w' \in \text{Desire-Alt}(\text{Mary})(w): \exists f: \text{Mary hires in } w' \text{ } [f([\iota Q: Q \text{ is the GCS for Mary in } w](\text{you}_{John}))](w')]$

In this system, an existential closure over CF-variables is allowed either at the level of the embedded TP or at the matrix level. In (8), f is a variable over CFs that is existentially closed at the lower level. Thus, in each desire-world, a different CF might pick out a different concept for one and the same individual John. Consequently, the interpretation in (9) is weaker than the one in (4) and correctly captures the meaning of (2).

This system has an additional technical advantage. In order to account for cases like "John thinks that Clark Kent is not Superman", P&S require two CGs. So, attitude verbs must be able to potentially introduce infinitely many CGs and take complements of unlimited complexity (known as the *type flexibility* of attitude verbs (Charlow & Sharvit, 2014; Cresswell & Stechow, 1982)). This shortcoming is avoided in our system.