1. Introduction

1. Glue meanings are paired with instructions for composition.
2. These instructions refer to semantic structures.
3. Dalrymple (2001): a meaning constructor like *henry* †σ associates the meaning *henry* with the semantic structure †σ.
4. All semantic structures are of type e or t.
5. Complex meanings are associated not with one structure, but an implication (usually) between structures.

(1) Henry slept.
(2) a. *henry* †σ
b. λx.sleep(x) : (†SUBJ)x ← †σ

2. S-structures for I-structure

• Dalrymple and Nikolaeva (2011) use s-structures to hold discourse-relevant features.
• Reflects intuition that information structure is closely related to semantic structure.
• S-structure feature DF is basis of i-structure categorization.
• Having features in s-structure potentially opens up new avenues for analysing semantic and discourse phenomena.

(3) ANIMATE + HUMAN + STATUS IDENTIFIABLE

3. Problems

1. Only simple meanings are directly associated with single structures.
2. More complex meanings, like verbal meanings, are not directly associated with any single structure in which features could be represented.

The problem with i-structure has always been one of granularity:
2. But c-structure is too coarse: different parts of a single word’s meaning can have different i-structure features.
3. DN11 base i-structure categorization on s-structure, but too coarse: all meaning constructors associated with a word must be categorized identically (5 is impossible).

Event semantics:
(4) Q. What did Anna do?
   A. Anna hit Norman.
(5) TOPIC anna, event
FOCUS hit, norman

Distinguishing tense and aspect:
(6) a. λx.λe.sleep(x) ∧ experience(e, x) : (†SUBJ)e ← †σ
b. λP: (†REL) —→ (†SUBJ)e ← †σ

(11) λx.sleep(x) : (†SUBJ)x ← †σ
(12) Meaning constructors for ‘sleep’:
   a. λx.sleep(x) : (†REL)
   b. λP : (†REL) —→ (†SUBJ)x ← †σ
(13) Meaning constructors for ‘student’:
   a. λx.student(x) : (†REL)
   b. λP : (†REL) —→ (†VAR) ← (†REL)

(14) Meaning constructors for definite article:
   a. λP: Q(x) ∧ P(x) : (†REL)
   b. λP : (†REL) —→ (†VAR) ← (†REL)

(15) The student slept.
   λx.sleep(x) : (†SUBJ)x ← †σ

(16) a. i. λx: λe.sleep(e) ∧ experience(e, x) : (†REL)
   b. λP : (†REL) —→ (†VAR) ← (†REL)
   c. λx: λy: (λP) ∧ (λe: (†REL) —→ (†VAR) ← (†REL)
   d. λP : (†REL) —→ (†VAR) ← (†REL)

Multiple meanings per word/s-structure: have as many uniquely labelled s-structures as necessary. So for 4-way division of verbal meaning, (†REL) represents basic lexical meaning, (†ASP) represents aspect, (†TEN) represents tense, and (†FIN) represents finiteness. For a two-way division, only two of these would be needed.

4. Proposal

• ‘Split’ meaning constructors into two parts: one expresses the meaning and associates it with a single, uniquely labelled semantic structure; the other converts the glue expression of the first into one of the ‘usual’ sort. So (11) is the composition of (12a) and (12b).

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REFERENCES