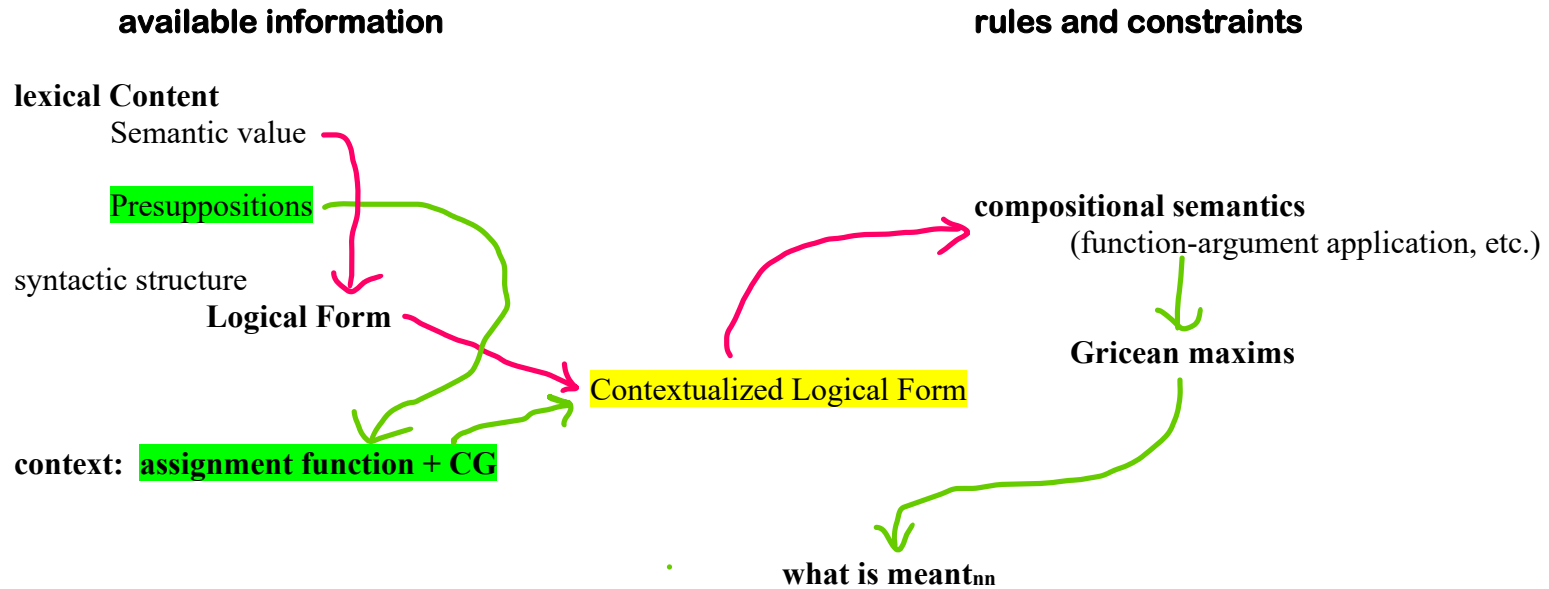


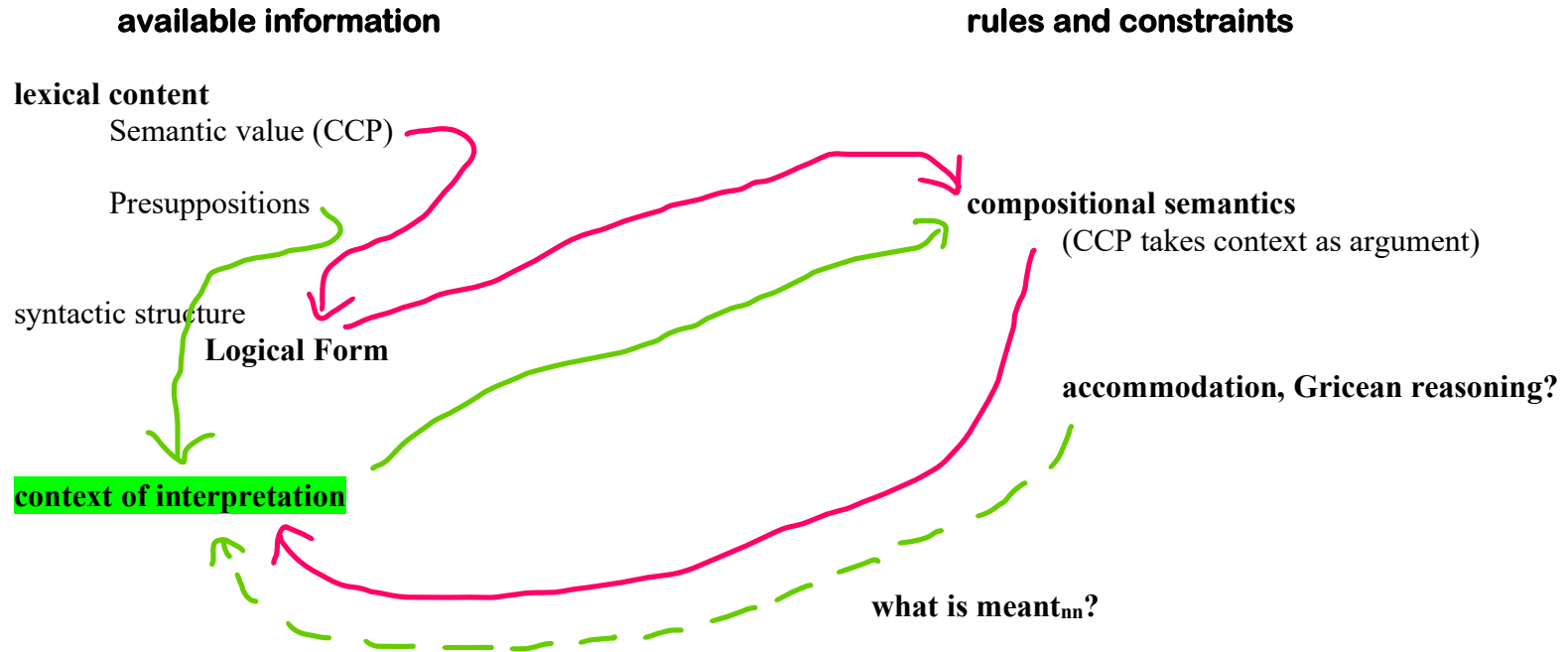
Figure 1: Heim & Kratzer static **Semantics** and **Pragmatics**



**Presuppositions** act as constraints on contextual felicity: Given an indexed definite NP<sub>i</sub>,  $g(x_i)$  must satisfy any presuppositions triggered by NP<sub>i</sub>, e.g. its grammatical gender, number, etc. must be in accord with  $g(x_i)$ . H&K do not discuss, but following Heim (1983) they presumably intend a globally accessible Common Ground as part of the context of utterance, e.g. for satisfaction of the presuppositions of factives, etc.

**Contextualized LF:** syntactically given (static) LF annotated with a partial assignment function. Utterance felicity requires that the values of anaphoric triggers satisfy any presuppositions associated with the trigger (e.g. grammatical gender).

Figure 2: Dynamic **Semantics** (Kamp, Heim, Muskens)



**context**: a dynamically updated Discourse Representation K or File F

$K = \langle DRef, Conds \rangle$

$F = \langle \text{set of dRefs, set of world/assignment pairs} \rangle$

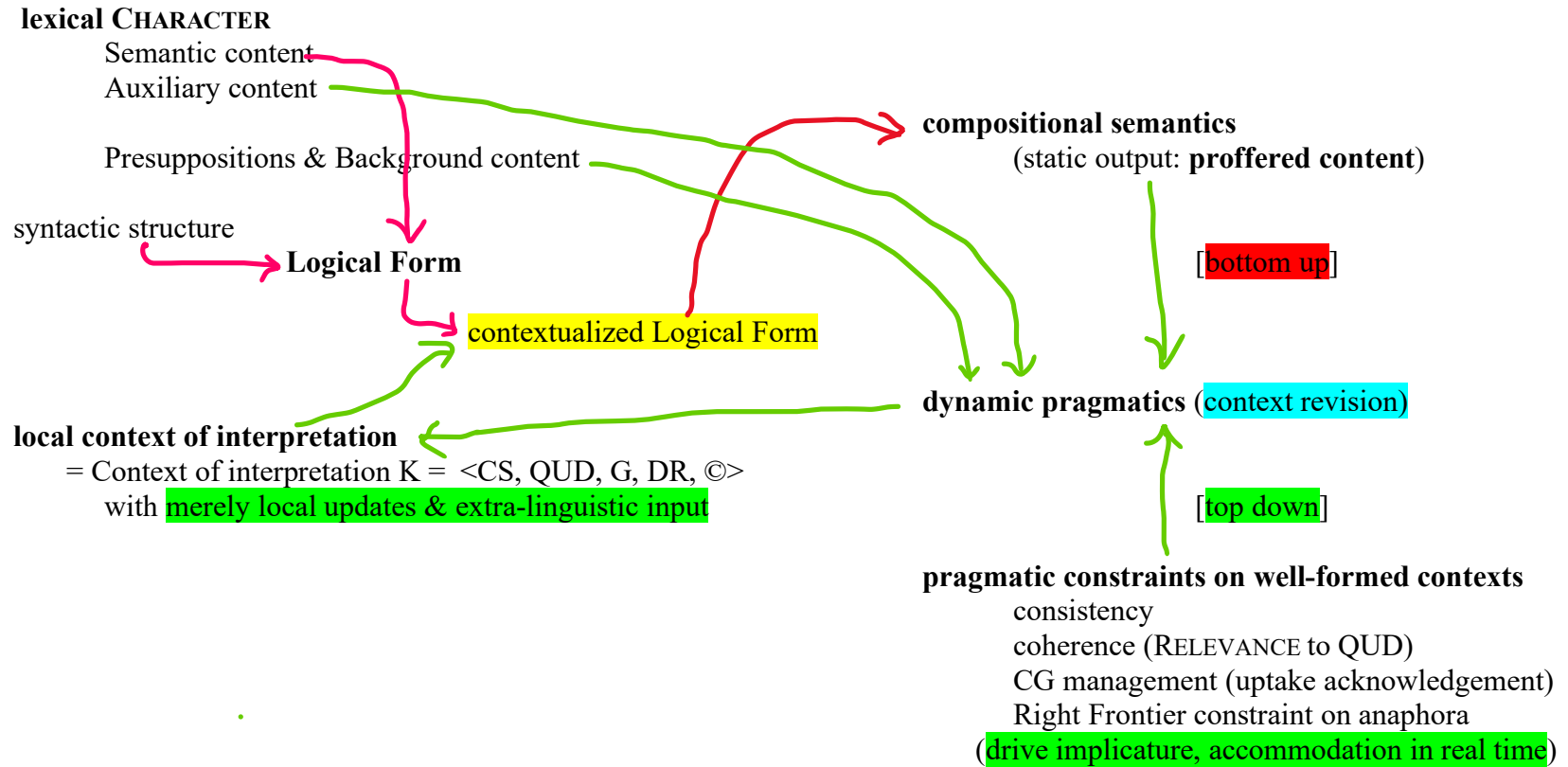
Pro:

- Context is no longer arbitrary: updated as a function of what is said, the CCP of prior content (full and partial utterances)

Con:

- Context contains some non-linguistically given information, but the theory makes no allowance for non-CCP update. E.g. for modal subordination and other contextually given domain restriction, intrusive implicatures, and intrusive Conventional Implicatures (coming up).
- Assumption that output of an indicative sentence acts to update CG is inconsistent with Speech Act theory.

Figure 3: The Architecture of Interpretation: static **Semantics** and dynamic **Pragmatics**

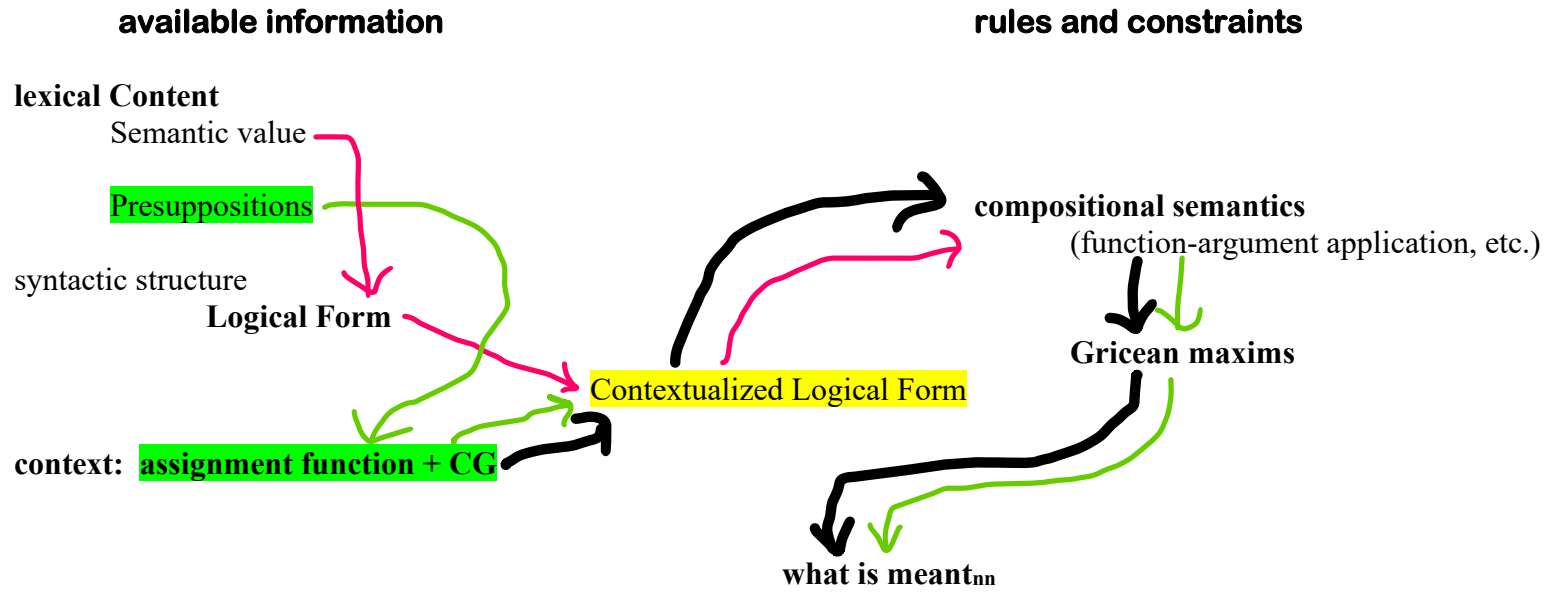


**Contextualized LFs:** syntactically given (static) LFs annotated with the pragmatically given contexts of interpretation for their parts. For simple declarative  $S$ , given a local context of interpretation  $K$ , we update  $CS_K$  as follows

Heim's (1983) **CS updates** follow from the contextualized LFs + semantics of any functors:

$$\begin{aligned}
 S^K & \\
 [\text{not } [S]^K]^K & \\
 [[S_1]^K \text{ and } [S_2]^{K+S_1}]^K & \\
 [\text{if } [S_1]^K \text{ then } [S_2]^{K+S_1}]^K & \\
 K + S^K & \text{ updates } K \text{ with proffered } \|[S]^K\|, \text{ so updated } CS_{K+S} = CS_K \cap \|[S]^K\| \\
 K + [\text{not } [S]^K]^K & = K \setminus K + \|[S]^K\| \\
 K + [[S_1]^K \text{ and } [S_2]^{K+S_1}]^K & = (K + \|[S_1]^K\|) + \|[S_2]^{K+S_1}\|, \text{ so } CS_K \cap \|[S_1]^K\| \cap \|[S_2]^{K+S_1}\| \\
 K + [\text{if } [S_1]^K \text{ then } [S_2]^{K+S_1}]^K & = K \setminus (K + \|[S_1]^K\| \setminus K + \|[S_1]^K\| + \|[S_2]^{K+S_1}\|)
 \end{aligned}$$

Figure 1b: Heim & Kratzer static **Semantics** and **Pragmatics**



**The Flow of Contextual Information**



Figure 2b: Dynamic **Semantics** (Kamp, Heim, Muskens)

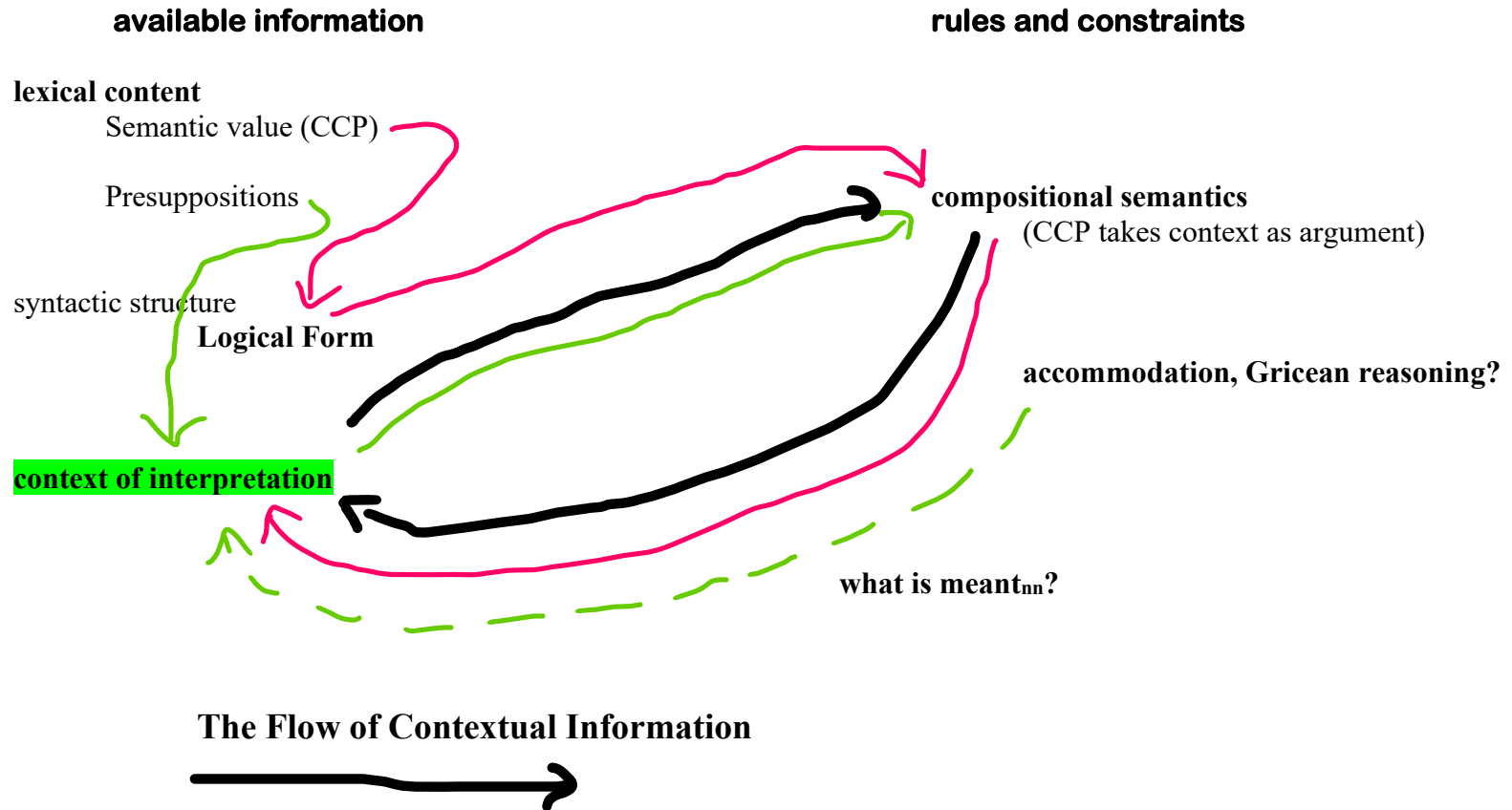


Figure 3b: The Architecture of Interpretation: static Semantics and dynamic Pragmatics

