

Premise (P)
& Hypothesis (H)

Syntactic Parsing

CCG Derivations

Semantic Parsing

Logical Formulas

Theorem Proving

{ yes, no, unknown }

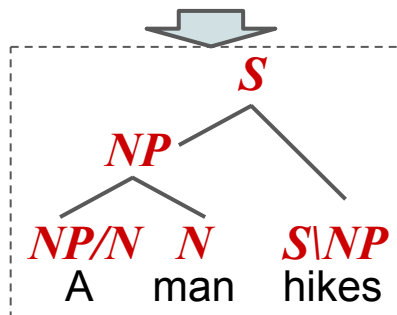
Search on KBs

New Axioms

Theorem Proving

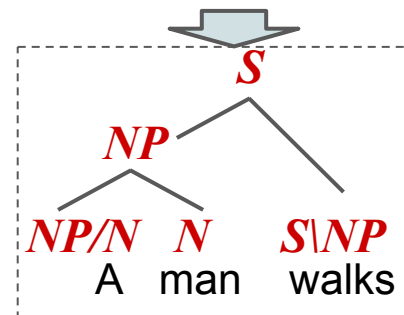
{ yes, no, unknown }

T: A man hikes.



$\exists x.\text{man}(x) \wedge \exists e.\text{hike}(e) \wedge \text{subj}(e, x)$

H: A man walks.



$\exists x.\text{man}(x) \wedge \exists e.\text{walk}(e) \wedge \text{subj}(e, x)$

result: unknown

$\exists x.\text{man}(x) \wedge \exists e.\text{hike}(e) \wedge \text{subj}(e, x)$

$\exists x.\text{man}(x) \wedge \exists e.\text{walk}(e) \wedge \text{subj}(e, x)$

$\forall e.\text{hike}(x) \rightarrow \text{walk}(x)$

result: yes