PAPPI: A Multilingual Parser

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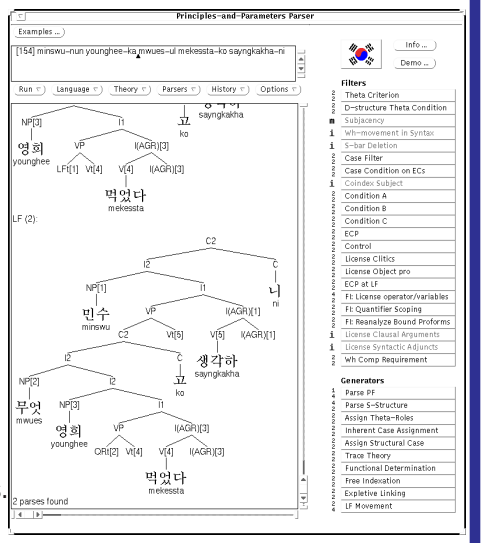
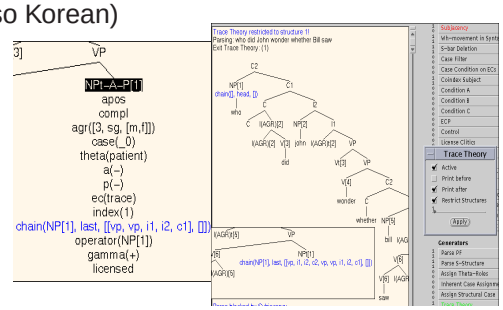
- **Based on the Principles-and-Parameters Framework [Chomsky].**
  Principles state universal constraints. Parameters are language-specific.
- **A research and prototyping tool**
  Concept: Multiple languages, single grammar.
  Modular: Plug-ins to update theory. Explore alternate theories.
  Programming language: logic programming + linguistic primitives.
  Ease of use: High level to target linguists.
  Methods: compile principles down to parsing-efficient code.
- **Potential Applications:**
  Core grammar for language understanding, machine translation.



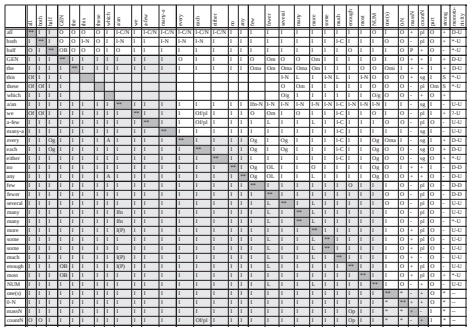
Explore Universal Grammar

- **Project Scope:**
- Other advantages: uniform representation, sophisticated analyses.

English: *A Course in GB Syntax* [Lasnik & Uriagereka]
Plug-ins: VPS, Double Objects (*Zero Syntax*) [Pesetsky]
Japanese: pro-drop, LF *wh*-movement: *On the Nature of Proper Government* [Lasnik & Saito]
Scrambling: *Some Asymmetries in Japanese* [Saito] (also Korean)
Turkish, Hungarian: Morphology, compounding, causatives
Dutch: V2 (also German), VR and clausal extraposition
French: Verb movement, clitics (also Spanish)
Chinese: Nominalization



- **Other Projects:**
  Kanda University: COE Project: [Inoue]
  Researching and Verifying an Advanced Theory of Human Languages
  Arabic Syntax: IERA, Mohammed V University, Rabat, Morocco.



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