Summary of Constituency Syntax in MT

- CFG capture syntax of <u>some</u> natural languages.
- Translating while chart parsing.
  - SCFG/STSG parse input
    and construct syntactically-parallel output.
- Hierarchical model: a simplification.
  - Only a single nonterminal used.
- LM integrated by state splitting.
- When real source and/or target parse trees are used:
  - Tricks/binarization necessary to extract non-isomorphic trees.
  - Fuzzy matching must be allowed during decoding.