

Factored model decoding

- Factored model decoding introduces *additional complexity*
- Hypothesis expansion not any more according to simple translation table, but by *executing a number of mapping steps*, e.g.:
 1. translating of *lemma* \rightarrow *lemma*
 2. translating of *part-of-speech, morphology* \rightarrow *part-of-speech, morphology*
 3. generation of *surface form*
- Example: *haus|NN|neutral|plural|nominative*
 \rightarrow { *houses|house|NN|plural, homes|home|NN|plural,*
buildings|building|NN|plural, shells|shell|NN|plural }
- Each time, a hypothesis is expanded, these mapping steps have to applied