LING 222: Research Notes

A Formal Syntax Account of the English Auxiliary System

Noam Chomsky, Syntactic Structures, 1957

I. Phrase Structure Rules:

S \rightarrow NP AuxP VP AuxP \rightarrow T (M) (have+en) (be+ing) VP \rightarrow V (NP) NP \rightarrow (D) N T \rightarrow {pres, past} M \rightarrow {can, may, will, shall, must}

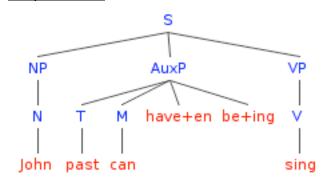
II. Transformational Rules:

Affix Hopping

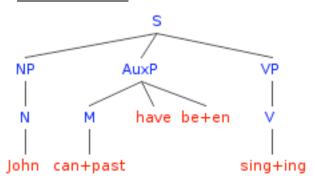
AF $X \Rightarrow X+AF$, where AF = {pres, past, en, ing}

III. Sample Derivation:

Deep Structure



Surface Structure



Phonetic Form:

John could have been singing