

W4L2

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March 08, 2024

1 Working with CFLs

Emptiness of CFLs

Chomsky Normal form

Definition 1.1. A context free (type II) grammar is in *Chomsky Normal Form* if every production is one of the forms

- $S \rightarrow \epsilon$, or
- $A \rightarrow BC$, where B and C are not S , or
- $A \rightarrow a$

The procedure of transforming to Chomsky Normal form is on pg.16