

Class Exercise, 2/11/2020

Terminology

- substitution rule
- variable
- terminal
- start variable
- derivation
- parse tree
- language of a grammar
- context-free language

Exercise

Build context-free grammars for the following languages:

1. $L = \{a^nba^n \mid 0 \leq n\}$.
2. $L = \{a^nba^m \mid 1 \leq n < m\}$.
3. $L = \{a^nb^m \mid 2 \leq n < m\}$