
Grammar Cheatsheet

TLP

2019

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Build GCL for a given language

Reduce a GCL

Dada una gramática $G = (N, T, S, P)$:

- Un símbolo útil $\in N \cup T$ es aquel:
 - $X \in N \cup T$ accesible si: $S \Rightarrow^* \alpha X \beta$
 - $X \in N$ co-accesible si: $X \Rightarrow^* \omega, \omega \in T^*$

Algorithm for:

GCL is finite

GCL is empty

A word belongs to $L(G)$

CYK

Brute force

Normal Forms

Chomsky

Greibach

LL(k) Grammars

GCL to APDN

APDN to GCL