

_____ is used to prove that a language is not regular.

Pumping lemma

A grammar is in Greibach Normal Form if all productions are of the form

_____ where a is a terminal and $x \in V^*$

$A \rightarrow a x$

Geibach Normal Formal is useful for proving the equivalence of _____ context-free grammars (CFGs) and nondeterministic Pushdown Automata (NPDA).

A nonterminal A in a grammar is nullable if _____

$A \Rightarrow \epsilon$

Which operator has the highest precedence amongst the options?

Kleene closure

Which of the following is lacking in a Universal Computer?

none of the options

The difference between number of states with regular expressions $(x + y)$ and $(x + y)^*$

is _____

0

When are two finite states equivalent ?

same number of states as well as transitions

For a context free grammar, to be useful a symbol X needs to be _____.

finite

To generate a string in the language, one begins with a string consisting of _____

start symbol(s).

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