Notes 2/11/2019

Theory of Computation

A binary strings end with “0”

A binary string represents a legal JAVA statement.

A set of binary strings that never goes into an infinite loop.

Theory of Computation

* Undecidable >> Turing Machine >> CFL – NPDM >> DPDM\_LR(K) >> FSM

SYNTAX: Structure of a language

GRAMMAR: A formal system describing SYNTAX

BNF: Notational system describing GRAMMAR

CFG: A series of grammar(production) rules.

Example: Simple CFG for an arithmetic expression with ‘+’ and ‘x’

* L = {x, +, 0, 1, 2, 3, …, 9}

3+4+5