

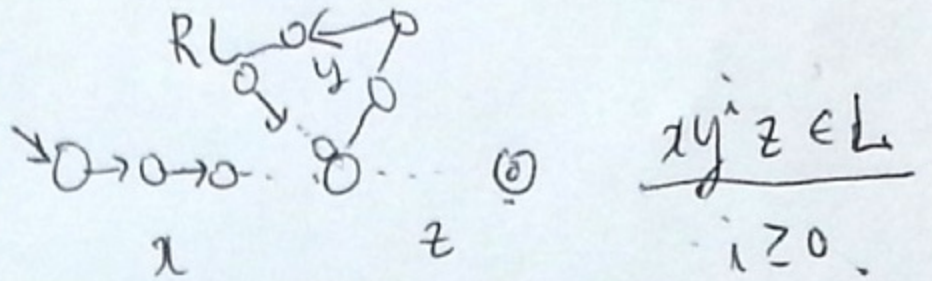
21/18강 11/13(木)

CYK algorithm & ~~loop invariance~~
pumping lemma for CFL

Chomsky Normal Form.

$A \rightarrow BC$ or $A \rightarrow a$ where $A, B, C \in N, a \in \Sigma$.

Pumping Lemma for CFL ... assume $G = (N, \Sigma, P, S)$ be a CNF.



$$uv^iwx^iy \in L \quad i \geq 0$$

CFL의 예
 Palindrome

균형 이항 괄호 balanced parentheses
 () () ()

Object oriented Programming

Class $\xrightarrow{\text{instance}}$ object

Class Tree

single inheritance

multiple "

Legacy program

Global variable considered harmful.

(Goto statement)

L.K. Choe

Dijkstra

Multiple value returning function

CYK alg.
 $O(n^3)$ vs NP