

이항(3r) 기, 117g leftmost derivation and Left Parser.

Def. of Parse Tree

Top Down

$B \subseteq \Sigma^*$ is a parse tree

Let $R \subseteq (V, E, S)$ be a Parse Tree and $A \rightarrow X_1 \dots X_n \in P$.

If $(A \in R)$, Then $(\forall i \exists X_1, X_2, \dots, X_n) \in E \cup \{A \rightarrow X_i \mid 1 \leq i \leq n\}$ is a P.T.



Bottom Up.

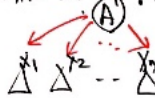
$\exists B \in \mathbb{N}$ is a N.N.

$R, n \in \mathbb{N}$ Then $n+1 \in \mathbb{N}$.

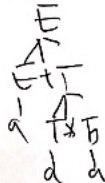
$B = \{a \mid a \in T\}, \emptyset, a$ be a P.T.

If $(V_1, E_1, X_1), (V_2, E_2, X_2) \dots (V_n, E_n, X_n)$ be a Parse Tree &

$A \rightarrow X_1 \dots X_n \in P$. Then $(\{V_1, V_2, \dots, V_n\} \cup \{A\}, \{E_1 \cup E_2 \cup \dots \cup E_n\} \cup \{A, X_i \mid 1 \leq i \leq n\})$



$E \rightarrow E + T \mid T * F \mid (E)$
 $T \rightarrow T * F \mid a \mid (E)$
 $F \rightarrow a \mid (E)$



$P \subseteq Q$

$P \Rightarrow Q$

정리 정리

Gödel's Incompleteness Theorem (GIT)

Turing-Church's Thesis
 What is computable?