## 1 Context-free grammer for CUTE Lang

This chapter explains what context-free grammer is used in CUTE Lang. To explain efficiently, grammer is explained by syntax diagram.

## 1.1 Syntax diagram representation rules

Representation rules of syntax diagram are on Table 1.

Repesentation	EBNF Equivalent	Meaning
	x	Nonterminal
<b>○→</b> (x) <b></b> ○	"x"	Terminal
	a, b	Sequence
	$a \mid b$	Selections
	[ x ]	Optional
	{ x }	Zero or more repeat
	x, { x }	One or more repeat

Table 1: Representation rules of syntax diagram

## 1.2 Syntax diagram for context-free grammer

Context-free grammer expressed by syntax diagram is the following.



