$$V_T = \{A..Z, a..z, 0..9, \_, int, bool, True, False, var, def, (,), \{, \}, =, *, /, +, -, , , return\}$$

$start \rightarrow < set\_of\_affirmations >$

$< set\_of\_affirmations > \rightarrow < afirmation >$
$| < set\_of\_affirmations >< afirmation >$

$< afirmation > \rightarrow < assigment >$
$| < function\_declaration >$
$| < func\_call >$
$|\epsilon$
$| < operations >$

$< operations > \rightarrow < NUMBER >< operator >< NUMBER > (< operator >< NUMBER >)^*$

$< operator > \rightarrow +| - | * |/$

$< assigment > \rightarrow var < cname >= (< var\_assign > | < func\_call >)$

$< var\_assign > \rightarrow < BOOL > | < NUMBER >$

$< BOOL > \rightarrow True|False$

$< NUMBER > \rightarrow < INT >$
$| < NUMBER/0 >< NUMBER >$

$< INT > \rightarrow [0 - 9]$

$< func\_call > \rightarrow < cname > (< input >)$

$< function\_declaration > \rightarrow defint|bool|\epsilon < cname > (< input >)\{< set\_of\_affirmations > return < return\_type >\}$

$< return\_type > \rightarrow < NUMBER > | < BOOL > |\epsilon$

$< cname > \rightarrow ("\_"|LETTER)("\_"|LETTER|INT)^*$

$< LETTER > \rightarrow ([A..Z]|[a..z])^+$

$< input > \rightarrow (< Number > + < Bool >)^*,$