

2. BNF Grammar

W -> PROGRAM B; D BEGIN I END.

B -> UC

C -> OC

C -> UC

C -> λ

D -> H : G;

G -> B, G

G -> B

H -> INTEGER

I -> J

I -> JI

J -> K

J -> A

K -> PRINT(B);

A -> B = E;

E -> E + T

E -> E - T

E -> T

T -> T * F

T -> T / F

T -> F

F -> B

F -> N

F -> (E)

N -> LOM

L -> +

L -> -

L -> λ

M -> OM

M -> λ

O -> 0

O -> 1

O -> 2

O -> 3

O -> 4

O -> 5

O -> 6

O -> 7

O -> 8

O -> 9

U -> P

U -> Q

U -> R

U -> S

Non-Terminal	
<prog>	W
<identifier>	B
<more-id-digit>	C
<dec-list>	D
<dec>	G
<type>	H
<stat-list>	I
<stat>	J
<print>	K
<assign>	A
<expr>	E
<term>	T
<factor>	F
<number>	N
<sign>	L
<more-digit>	M
<digit>	O
<id>	U