THE ORIGINAL GRAMMAR (With Substitutions)

LEGEND		
State	New Name	
<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	Р	
<identifier></identifier>	I	
Α	Α	
<dec-list></dec-list>	D	
<dec></dec>	U	
J	J	
<type></type>	Т	
<stat-list></stat-list>	S	
С	С	
<stat></stat>	V	
<write></write>	W	
Н	Н	
<assign></assign>	X	
<expr></expr>	Е	
<expr>'</expr>	G	
<term></term>	Y	
<term>'</term>	K	
<factor></factor>	F	
<number></number>	N	
В	В	
<sign></sign>	Z	
<digit></digit>	Q	
<letter></letter>	R	

Р -	>	program I ; var D begin S end.
I -	>	R A
Α -	>	R A
Α -	>	Q A
Α -	>	λ
D -	>	U:T;
U -	>	IJ
J -	>	, U
J -	>	λ
Т -	>	integer
S -	>	V C
C -	>	S
C -	>	λ
V -	>	W
V -	>	X
W -	>	display (H) ;
Н -	>	"value=" , I
Н -	>	I
X -	>	I = E;
E -	>	Y E'
E' -	>	+ Y E'
E' -	>	- Y E'
E' -	>	λ
Υ -	>	F Y'
Y' -	>	* F Y'
Y' -	>	/ F Y'
Y' -	>	λ
F -	>	(E)
	>	I

F -> N N -> Z Q B B -> Q B B -> λ Z -> + Z -> - Z -> λ Q -> 0 Q -> 1 Q -> 2 Q -> 3 Q -> 4 Q -> 5 Q -> 6 Q -> 7 Q -> 8 Q -> 9 R -> p R -> q			
B -> Q B B -> λ Z -> + Z -> - Z -> λ Q -> 0 Q -> 1 Q -> 2 Q -> 3 Q -> 4 Q -> 5 Q -> 6 Q -> 7 Q -> 8 Q -> 9 R -> p	F	->	N
B -> λ Z -> + Z -> - Z -> λ Q -> 0 Q -> 1 Q -> 2 Q -> 3 Q -> 4 Q -> 5 Q -> 6 Q -> 7 Q -> 8 Q -> 9 R -> p	N	->	Z Q B
Z -> + Z -> - Z -> λ Q -> 0 Q -> 1 Q -> 2 Q -> 3 Q -> 4 Q -> 5 Q -> 6 Q -> 7 Q -> 8 Q -> 9 R -> p	В	->	Q B
Z -> - Z -> λ Q -> 0 Q -> 1 Q -> 2 Q -> 3 Q -> 4 Q -> 5 Q -> 6 Q -> 7 Q -> 8 Q -> 9 R -> p	В	->	λ
Z -> λ Q -> 0 Q -> 1 Q -> 2 Q -> 3 Q -> 4 Q -> 5 Q -> 6 Q -> 7 Q -> 8 Q -> 9 R -> p	Z	->	+
Q -> 0 Q -> 1 Q -> 2 Q -> 3 Q -> 3 Q -> 4 Q -> 5 Q -> 6 Q -> 7 Q -> 8 Q -> 9 R -> p	Z	->	-
Q -> 1 Q -> 2 Q -> 3 Q -> 4 Q -> 5 Q -> 6 Q -> 7 Q -> 8 Q -> 9 R -> p	Z	->	λ
Q -> 2 Q -> 3 Q -> 4 Q -> 5 Q -> 6 Q -> 7 Q -> 8 Q -> 9 R -> p	Q	->	0
Q -> 3 Q -> 4 Q -> 5 Q -> 6 Q -> 7 Q -> 8 Q -> 9 R -> p	Q	->	1
Q -> 4 Q -> 5 Q -> 6 Q -> 7 Q -> 8 Q -> 9 R -> p	Q	->	2
Q -> 5 Q -> 6 Q -> 7 Q -> 8 Q -> 9 R -> p	Q	->	3
Q -> 6 Q -> 7 Q -> 8 Q -> 9 R -> p	Q	->	4
Q -> 7 Q -> 8 Q -> 9 R -> p	Q	->	5
Q -> 8 Q -> 9 R -> p	Q	->	6
Q -> 9 R -> p	Q	->	7
R -> p	Q	->	8
	Q	->	9
R -> q	R	->	p
	R	->	q
R -> r	R	->	r
R -> s	R	->	S