

The Parsing Table

Every cell has only one entry, and is therefore LL compliant

		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
		\$;	,	+	-	=	:	/	*	()	p	q	r	s	0	1	2	3	4	5	6	7	8	9	"value="	program	var	begin	end.	integer	display
0	P																										program I ; var D begin S end.						
1	I												RA	RA	RA	RA																	
2	A	λ	λ	λ	λ	λ	λ	λ	λ		λ	RA	RA	RA	RA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA	QA							
3	D												U: T;	U: T;	U: T;	U: T;																	
4	U												IJ	IJ	IJ	IJ																	
5	J		' U			λ																											
6	T																															integer	
7	S												VC	VC	VC	VC																	VC
8	C												S	S	S	S														λ			S
9	V												X	X	X	X																	W
10	W																																display (H);
11	H												I	I	I	I											"value=" , I						
12	X												I= E;	I= E;	I= E;	I= E;																	
13	E			Y E'	Y E'				Y E'				YE'	YE'	YE'	YE'	YE'	YE'	YE'	YE'	YE'	YE'	YE'	YE'	YE'	YE'	YE'						
14	E'	λ		+Y E'	-Y E'						λ																						
15	Y			F Y'	F Y'				F Y'				FY'	FY'	FY'	FY'	FY'	FY'	FY'	FY'	FY'	FY'	FY'	FY'	FY'	FY'							
16	Y'	λ	λ	λ		/F Y'	*F Y'				λ																						
17	F			N	N				(E)				I	I	I	I	N	N	N	N	N	N	N	N	N	N							

Parsing Table

		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		26		27	28	29	30	31										
		\$; , + - = : / * ()		p		q		r		s		0		1		2		3		4		5		6		7		8		9		"value="		program		var		begin		end.		integer		display	
18	N			Z Q B	Z Q B																																								
19	B	λ		λ	λ			λ	λ		λ					Q B	Q B	Q B	Q B	Q B	Q B	Q B	Q B	Q B	Q B	Q B																			
20	Z			+	-											λ	λ	λ	λ	λ	λ	λ	λ	λ	λ	λ																			
21	Q															0	1	2	3	4	5	6	7	8	9																				
22	R												p	q		r	s																												