

Terminal	First	Follow
S	(, number	\$
Earth	¹ , number, (¹), \$
Earth'	¹ , ε	(,), number
Tail	number, (¹), \$
Tail'	%, ε	¹ , number, (
Flag	number, (%, (, ¹ , number

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Φ

I_1
 $S' \rightarrow S.$

I_2
 $S \rightarrow L.=R$
 $R \rightarrow L.$

I_3
 $S \rightarrow R.$

I_4
 $L \rightarrow *.R$
 $R \rightarrow .L$
 $L \rightarrow .*R$
 $L \rightarrow .id$

I_5
 $L \rightarrow id.$

I_6
 $S \rightarrow L=R$
 $R \rightarrow .L$
 $L \rightarrow .*R$
 $L \rightarrow .id$

I_7
 $L \rightarrow *.R.$
 $R \rightarrow$

I_8
 $R \rightarrow L.$

I_9
 $S \rightarrow L=R.$

SLR Table

State	Action				Goto		
	=	*	id	\$	S	L	R
0		s4	s5				
1				acc	1	2	3
2	s6/r5			r5			
3				r2			
4		s4	s5			8	7
5	r4			r4			
6		s4	s5			8	9
7	r3			r3			
8	r5			r5			
9				r4			

Just follow
 $S' \rightarrow *, id, \$$
 $L \rightarrow *, id, =, \$$
 $R \rightarrow *, id, \$,$

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I_0

$S \rightarrow \cdot S, \$$
 $S \rightarrow \cdot id, \$$
 $S \rightarrow \cdot Var := Expr, \$$
 $Var \rightarrow \cdot id, :$

I_1

$S' \rightarrow S \cdot, \$$

I_3

$S \rightarrow id \cdot, \$$
 $Var \rightarrow id \cdot, :$

I_2

$S \rightarrow Var \cdot := Expr, \$$

I_4

$S \rightarrow Var \cdot := Expr, \$$

I_5

$S \rightarrow Var \cdot =, Expr, \$$
 $Expr \rightarrow \cdot Var, \$$
 $Expr \rightarrow \cdot num, \$$
 $Var \rightarrow \cdot id, \$$

I_6

$S \rightarrow Var \cdot := Expr, \$$

I_7

$Expr \rightarrow Var \cdot, \$$

I_8

$Expr \rightarrow num \cdot, \$$

I_9

$Var \rightarrow id \cdot, \$$

	id	:	num	num	\$	S	Var	Expr
0	S_2					1	3	
1					acc			
2	S_4				acc			
3	S_3				r_1			
4			S_5					
5	S_7			S_8			7	6
6					r_2			
7					r_4			
8					r_5			
9					r_3			