Grammar:

S'->S S->L = R|R L->* R|id R->L

Output:

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Productions are:
s'->s|
S \rightarrow L = R|R|
L->* R|id|
R->L|
State 0
S'->.S,$|
S->.L=R,$|
S->.R,$|
L->.*R,=|$|
L->.id,=|$|
R->.L,$|
Transitions for state 0:
To State 1 on encountering S
To State 2 on encountering L
To State 3 on encountering R
To State 4 on encountering *
To State 5 on encountering id
State 1
S'->S.,$|
Transitions for state 1:
State 2
S->L.=R,$|
R->L.,$|
Transitions for state 2:
To State 6 on encountering =
State 3
S->R.,$|
Transitions for state 3:
State 4
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State 4
State 4
L->*.R,=|$|
R->.L,=|$|
L->.*R,=|$|
L->.id,=|$|
Transitions for state 4:
To State 4 on encountering *
To State 5 on encountering id
To State 7 on encountering R
To State 8 on encountering L
State 5
L->id.,=|$|
Transitions for state 5:
5->L-.R,$|
R->.L,$|
L->.*R,$|
L->.id,$|
Transitions for state 6:
To State 9 on encountering R
To State 10 on encountering L
To State 11 on encountering id
To State 12 on encountering *
State 7
L->*R.,=|$|
Transitions for state 7:
State 8
R->L.,-|$|
Transitions for state 8:
State 9
S->L-R.,$|
Transitions for state 9:
Transitions for state 9:
State 10
R->L.,$|
Transitions for state 10:
State 11
L->id.,$|
Transitions for state 11:
State 12
L->*.R,$|
R->.L,$|
L->.*R,$|
L->.id,$
Transitions for state 12:
To State 10 on encountering L
To State 11 on encountering id
To State 12 on encountering *
To State 13 on encountering R
State 13
1->*R.,=
Transitions for state 13:
```

State	id	=	*	\$	s'	S 1	L	R	
0	Shift 5		Shift 4	-		1	2	3	
1	1			Accept					
2	1	Shift 6		R (R->L		ļ			
3	ļ	ļ l		R (S->R)	ļ			
4	Shift 5		Shift 4		l .	ļ	8	7	
5		R (L->i			d)	ļ			
6	Shift 1	1			I.,		10	9	
7	ļ			R (L->*		!			
8	!	R (R->L)	R (R->L		ļ			
9	!	!		R (S->L		ļ			
10	!	!		R (R->L					
11	I Chi Chi di		Chick a	R (L->i	a)		40	4.3	
12	Shift 1		Shift 1	2			10	13	
13		R (1->*F	()	1	I	l			