consider the geramman

E->E+T/T

T-)TF/F

construct the SLR parising table for this grammar Also pauge the 1/p a*b+a

F-> F*/a/b

No. of production sulls in the graniman

(1) E + E+T

(2) F + T

③ T → TF

(9) $T \rightarrow F$

(S) F+F*

6) F→a

(字) F → b

Stepby Step.

Now we will goto tunction

for State Io goto on E,T,F

and a 1 b will be applied by

NOW we will build the connonical

=) set of SLR(0) items.

we will first introduce an

augmented grammar.

E- - E and then the

Initial set of items To will

be generated.

Iz: goto (Io,F)

T-) For

F-) Fock

In: goto (Io,a)

F-Ja.

Is goto(Io,b)

F-) bo

Now we will stood applying goto towertone on

As after · Eappear

we will add rulit

After o Tappa

soadd rule

-) of appen

so add out F

afte

Io ?

E -) · E+T

Eナの丁-

T-) oTF

T-+ OF

F-JOF*

F-> oa

F-> · b

State I,

FOIOM I, State It

is possible to apply

goto travertory only

I+ goto(In,F)

T-TF.

T-> FOR

on t. Hence

I, goto (Io, E) E -> E. E->E.+T

I28 goto (IO,T)

E-To

T-) TOF

F一·F米

F-) oa

Ftob

I6: goto (I,+)

E -> E+ • T

TTOTF

TIP

E+ OF*

Ft oa

F+ b

As after o' the

T comes will add

T travelton Scure

is town for F.

Is ?- goto (Iz,*)

FJFOX

The goto transitions will

be applied on Iz state now:

we will choose F to apply

goto transition because

there is no point in applying goto on T.

=) No point apply goto on Iy, Is=) T-> ToF he choose I6

9010 (IGIT)

E-JE+TO

FTOFA

Ftoa

F-1 . 6

Now we will first obtain Follow of E, + and F. As the Follow computation is required when the SLR passing table is building.

FOLLOW(E)= &+, \$9

FOLLOW(T) = &+, a, b, \$9

FOLLOW(F) = &+, *, a, b, \$9

FOLLOW(F) = &+, *, a, b, \$9

As by such 2 and 4, E + T and T + F

We can Stath E=T=F

But E is a Start Symbol then by such 2 & 4

T and F can act as Start Symbol.

T and F can act as Start Symbol.

The have added \$ in Follow(E), Follow(T) and

TOLLOW(F)

10c	FOLIBRET							
						G10-10		
State		AC	tion	1	1 6		T	F.
	+	*	a	1 b	\$	E	2	3
-		i i	Sq	55	-		~	
0		1	11		Accept			
1	56	-		Ss	82		1	TENNING Y
2	82		54					12
3	704	So	84	84	84			+
-	86	86	86	86	86	1	T OF	-
4	86	86	86	76	86		73	+-
5	100		S4	55	V3	,		+
7	83	SB	83	83	13			
8	85							
9		0		V = 12		my/		1
165 #	,		The last of	Many Land				
The second							. 12	

Now we will park the 1/p axbta using pareing talk Stack Plp butten Action \$0. -> ax b+a\$ -> shift \$104 -> * b+a\$ -> reductor \$0F3) deb+a\$ -> shift \$0F2*8 > 6+a\$ -> reduce by \$0P3 -> b+af -> sectua t \$0T2 -> btal -> shift \$0T2 b5 -> +a\$ -> seduc by \$012 -> +a\$ -+ reduce by \$0E1 -) tas. \$0E1+6->a\$---\$0E(+604) \$ ____ secluc b) \$0E1+6F3 - 4 - 1 reductor E1+679 -> \$ -> reduce by Thus 1/P Straing is parced.