Broken: Construct the Precedire Parse table for the fellowing grammar S-> a | 1 | (T) T -> T, S | S () , 1, 0 Is the parser LL(1). Show the action for the input string (a,a). (i) Elimination of Left recursion. \rightarrow 1 $s \rightarrow a |\uparrow| (\tau)$ 72 T-> T, 5 | 5 there in statement (2) Left Recursicen is Note: The form was changed to T -> ST' | E = ('T A > BA ad A D OL A 18 The final statement are, s > a M (T) of (C) = (T) wollow FOLLOW (S) = (2) WOLLOW WINDY T'7,5T'/E = ('T) WOJJO7

(ii) Left Factoring: It is meet meeded.

(iii) FIRST: (T) 1 Tho ee

FIRST(S) = { a, 1, (} & = 7 FIRST(T) = FIRST(ST') = FIRST(S) = {a, 1, (300) grande tight FIRST(T') = {,, E}.

materiment for for more months (i)

(iv.) FOLLOW:

3 -> a/1(t) - @ FOLLOWETT) = { }} FOLLOW(75) = FOILOW(7) = {)}.

FOLLOW(S)=+

FOLLOW (S) = FIRST(T') = { , E}

Take "," alone, when & is there in FIRST(7') when we need to take the FOLLOW(T) also,

FOLLOW (7) = 2) } from statement 1

Now FOLLOW(S) = { > > > , \$}

FOLLOW (T') = {) } ? . C'T

Promise	a	1	C		9	\$
S	s-Ja	SAT	S->CT)		277	
Sugmon	1-25-T	T→ST1	1->ST1		non	
TI	1 K-1 T		10	THE	7'-> ST'	

Park & ranger &

1

(vi) Action of the Poorser for the input string (a).

1 1+1	AIL	Action
Stack	Input	3-> (T)
\$ 5	(a,a)\$	Pelp and remove 'C'
\$)70	(a,a)\$	Pap and runter
\$)7	a,a)\$	7-757
\$)7'5	a, a) \$	$s \rightarrow a$
\$)7'a	a, a)\$	Pape remove 'a
\$)7.	, a)\$	71 3 . 67
	,a)\$	and remove,
\$)7'5,	MATE DE MA	a a
\$77'5	a)\$	pap and remove à.
\$)7'a	(a) \$ (2)	your war.
\$)7') \$	T' -> E 'T
\$))\$	Pap and remove).
147	\$	Pap & remare \$
19	7	