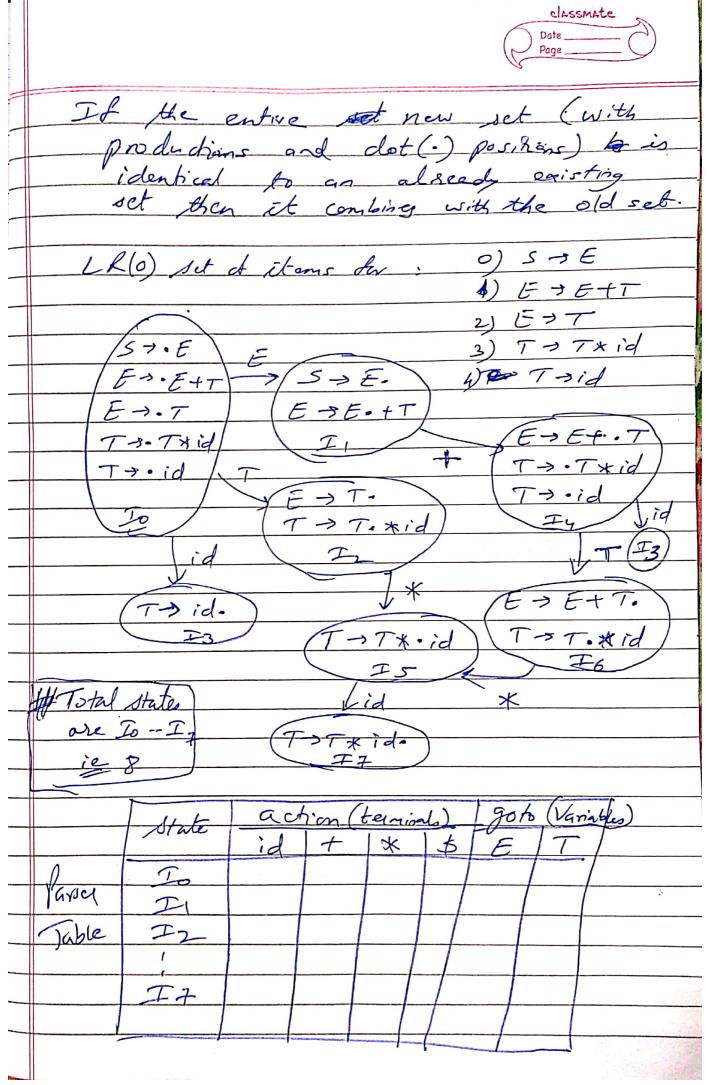


Consider a grammar: E > E+T/T
TATXIdlid
For LR(0) construction; the set of
productions are.
0) 5 -> E (newly added prod).
) E > E + T
Z) E ST
$3)$ $T \rightarrow T * id$
y) T > id
The first set Io (for all grannals)
begins with the newly added production
which has a new start symbol (
that derives the old start symbol.
(In a bare example: 5 -> E. generally: 5'-> 5)
Gold start synsy
Mence, for above grammed, the dixst
production in Io is S>.E.
Since dot (.) is followed by E Stocker
add productions of E in In as
production in To is S>.E. Since dot(.) is bollowed by E, theehre add productions of E in To as E>.E+T and E>.T.
After applying closure on Io: 5 >> E
we get
Jo: 5 > . E
$E \rightarrow \cdot E + T$
E > .T
T-> - Txid

	For more from To, consider
7.	the variables and terminals that bellow the dot (.)
	blac the dot (.)
	5 > E more on E to become
	5 -> E.
	Er-E+T moves on E to be come
	E -> E - + T
	EJ.T moves on T to become
	E -> To
	TroTxid mores on T to bie come
	T > T · x id
<u>and in the second or and a second or and a second or </u>	Toid moves on id to become
	T→ id.
	more on some variable /terminal are
	combined together to obtain the
8	combined togeter to obtain the next item set. Hence we get
	(5 / 5 - F.
j.	(37.E) (57.E+T) (57.E+T) (57.E+T) (57.E+T)
	$E \rightarrow 0.7$
	1-2-1xid - Y E = 7
	$T \Rightarrow -7 \times id$ $\chi \in T$. $T \Rightarrow id$ $\chi \in T$. $\chi : d$ $\chi = T$.
	To lid
)/
	7 T > id. \ I3.
	Perform closure and more on I, Iz,
	Is and so on (on even new)
	It and so on (on every new set blaired).
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1	- Obtaining action shift entries (for action part) and goto entries form toansitions on terminate and
	schin part and goto entries
	form transitions on terminate and
	Vanjables.
	1) For each more on of A > d.aB
	for of set Ix to A -> Xa.B
	of set Ty, add entry "Shift on a" in The state
	Shift on a in the
*	for terminal a congression
	for terminal a along with the next state as Iy. ie "shift on a and go to set Iy"
	Section of
	Represented as Sy
	Example: E > E + T of I,
-	on 't' haves to
	$E \rightarrow E + \cdot T \mathcal{A} \mathcal{I}_{4}$
	Hence achim
	State a
^	F1 54
,	
	54 nears shift and goto 4.
	2C - 1 200 1 A
	B) For each more of A To A
	A > X · BB of set Ix to A > X B · B of set Ix
•	add so to I'v in raid T
	and column of Variable B.

