

\* First and Follow

$$E \rightarrow TE'$$

$$E' \rightarrow +TE' | \mathcal{E}$$

$$finst(E) = \{(id)\}$$

$$T \rightarrow +T'$$

$$T \rightarrow +T' | \mathcal{E}$$

$$finst(T) = \{(id)\}$$

$$T' \rightarrow +FT' | \mathcal{E}$$

$$finst(T') = \{(id)\}$$

$$T' \rightarrow +FT' | \mathcal{E}$$

$$finst(F) = \{(id)\}$$

> One bokahead token	*Saturdy guiz 7pm
Thet to night derivation  Input is read from left to night	7130
How to construct LLU) Parise table "	
(1) Add A -> \imp in M[A, a] for every in First(\imp)  (11) It First(\imp) contains & then add A	
MEA, b] for every terminal b' in Fo	llow (A)
eg: 5 - aA   bB + 5 faibs	1 +01100
$B \rightarrow bA c E$ A $\{a,b\}$ B $\{b,c,E\}$	
Predictive Parise table:    a   b   C   \$  5   5 -> 0A   5 -> 6B   Emnon   Ennon	Right end marken
A $A \rightarrow aA$ $A \rightarrow b$ Ennon Ennon  B $\rightarrow bA$ $B \rightarrow C$ $B \rightarrow E$	
B Ennen 10-7011	

	5 -> aA   BaA	12	First	-	Follow
	$A \rightarrow \alpha A/E$ - $B \rightarrow bB/E$	5	ga,b,	上海	2 \$}
		A	{a,	﴿ }	243
5	If there is some symbol then it will not	B	26,8	=}	{\$}
1	be a LL(1) parver		bi K		pri humper from
	1			7	11
	5 5-> aA	B	163	$B \rightarrow$	8
	A A > aA	Ing	orc	$A \rightarrow 8$	
	B > bB	Enr	TOT	B>	2
	1416	FH.		2 4	9

17 h + 1 7 his 1 7

$$F \rightarrow TE'$$

$$E \rightarrow TE' | E$$

$$T \rightarrow FT' | E$$

$$T \rightarrow F$$

	First	Follow I End marken
E	{(,id} {+, e}	{),\$} {),\$}}
7	{(,i)}	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
+	{(,id}	{*,+,),\$}

## Predictive Parve table:

		*		1 )	1 1 1 5
F	Ermon	Ermon	E-YTF'	Ennon	E->TE / Ennon
E1	E++TE1	Ennon	Ennon	E'>E	Ernon E/>E
T	Ermon	Ennon	T>FT1	Ennon	T->FT   Ennon
TI	$T  \mathcal{E}$	T-> * FT'	Ermon	TIDE	Ennon T/>E
F	Ennon	Ennon	F>(E)	Ennon	Frid Ennon
(1.1		1	- dialisa	Provide view	

Stack movement on predictive parver: (LLI)

stack Inpot	1 Action	Stack   Input   Action
SE id+id *id \$	E->TE!	\$E'T'E id\$ F>id
SEIT id+id xid \$	T->FT'	SETTID ids popid
SETF Id+id xids	F > id	SE'T & TISE
\$E'T'id id+id*id\$	popid	\$ E ' \$ E \ \$
\$ET +id*id\$	TIDE	3 3
\$E! ±id*id\$	E' >+TE'	1
SE'T+ + id xids	pop+	D. W.
\$E'T   1d * id \$	T->FT	End Rightend marken
SE'T'F id * id \$	F>id,	Successfully
\$E't'id id xid }	pop + id	parved
\$E'T' * id \$ \$E'T'F* * id \$	pop * id  the * FT'	paroca

$\# S \rightarrow (S)   E = \frac{1}{S}$ Imput sting: (())	finst   follow   {(, E) {),4}
Parox table:	The state of the s
$\frac{1}{5} \frac{1}{5} \frac{1}$	# We will use top down party ing
stack movement.  stack movement.  stack Trpvt	Action $S \rightarrow (S)$
\$ 5 <u>(())</u> \$ \$ )5( <u>(())</u> \$ \$ )5 <u>(())</u> \$	$\begin{array}{c} p \circ p & (\\ s \to cs) \end{array}$
\$ )) S ( ( )) \$ \$ )) S ( ) 9 \$ )) 9	$\begin{array}{c} \rho \circ \rho \\ 5 \rightarrow \varepsilon \\ \rho \circ \rho \end{array}$
\$ )   2 \$   3   4   4   4   4   4   4   4   4   4	end
proces	1 9 8 31 34 3

