

Example of LR Parse Table

Grammar

- 1) $E \rightarrow E + T$
- 2) $E \rightarrow T$
- 3) $T \rightarrow T * F$
- 4) $T \rightarrow F$
- 5) $F \rightarrow (E)$
- 6) $F \rightarrow id$

LR Parse Table

<u>ACTION TABLE</u>				<u>GOTO TABLE</u>					
state	id	+	*	()	\$	E	T	F
0	s5			s4			1	2	3
1		s6				acc			
2		r2	s7		r2	r2			
3		r4	r4		r4	r4			
4	s5			s4			8	2	3
5		r6	r6		r6	r6			
6	s5			s4				9	3
7	s5			s4					10
8		s6			s11				
9		r1	s7		r1	r1			
10		r3	r3		r3	r3			
11		r5	r5		r5	r5			

Example is from *Compilers: Principle, Techniques, and Tools*, by Aho, Sethi, and Ullman, Addison-Wesley, 1996