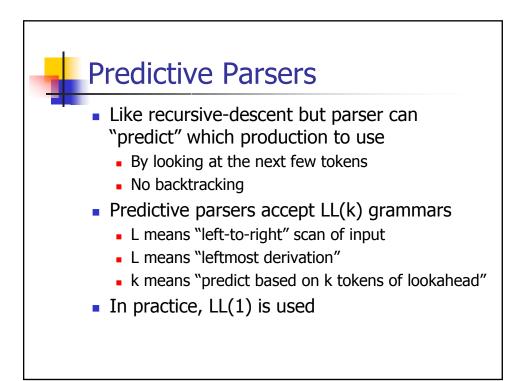
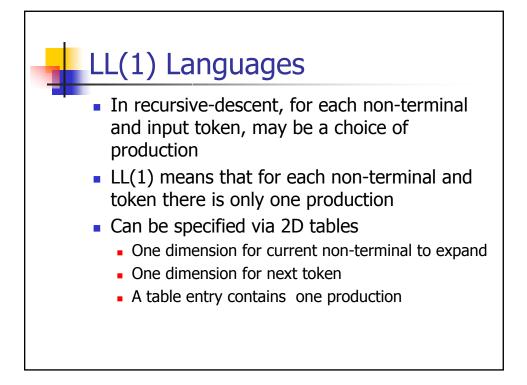


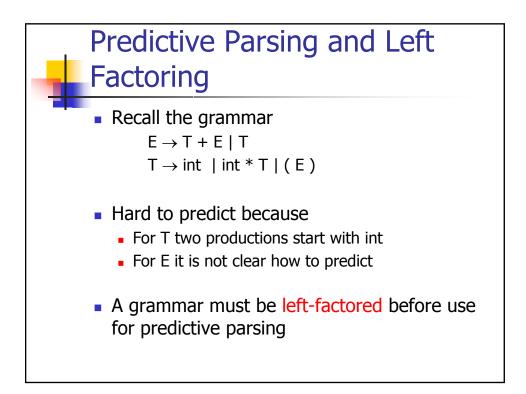
## Summary of Recursive Descent

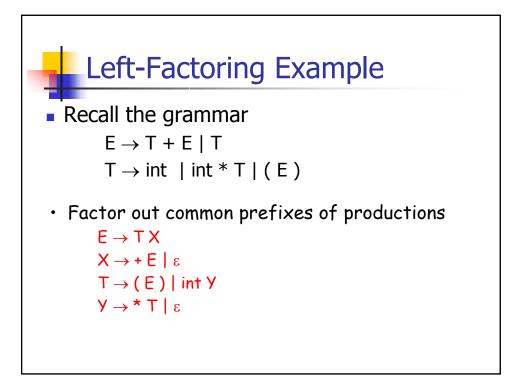
Simple and general parsing strategy

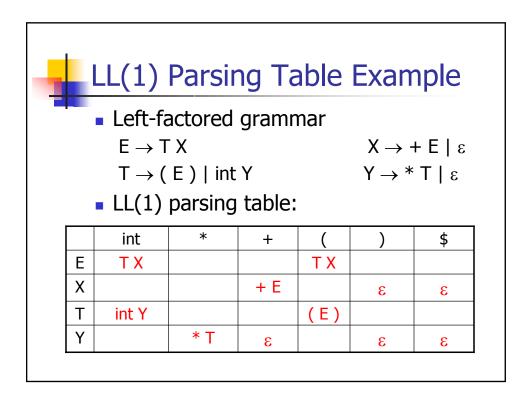
- Left-recursion must be eliminated first
- ... but that can be done automatically
- Unpopular because of backtracking
  - Thought to be too inefficient
- In practice, backtracking is eliminated by restricting the grammar

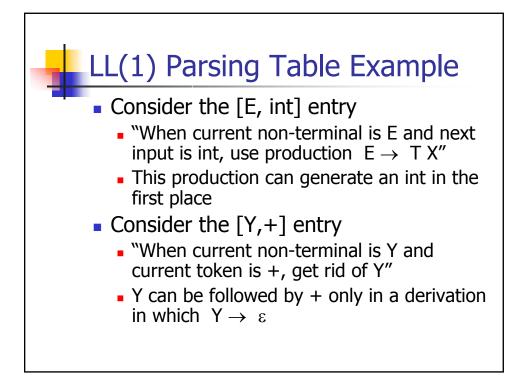


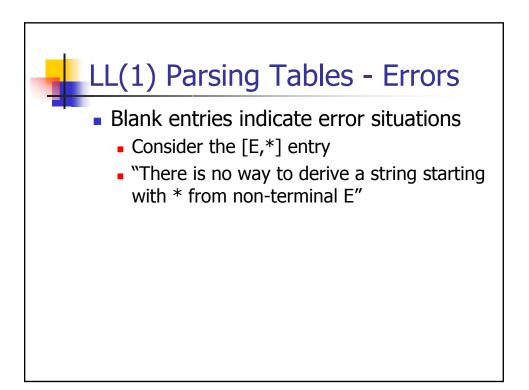


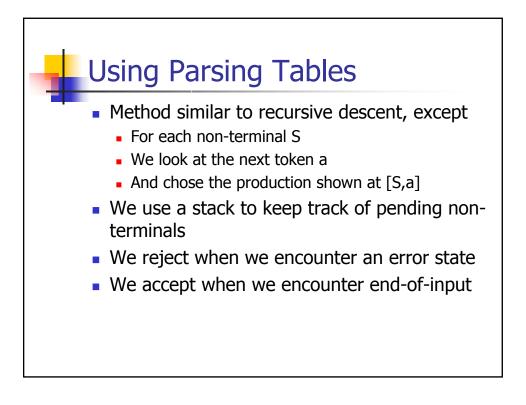


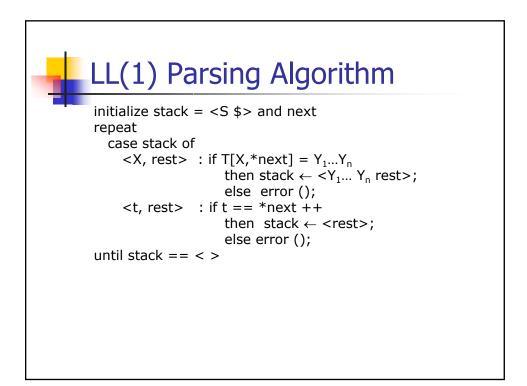












LL(1) Parsing Example		
Stack	Input	Action
Е\$	int * int \$	тх
тх\$	int * int \$	int Y
int Y X \$	int * int \$	terminal
Y X \$	* int \$	* т
* т х \$	* int \$	terminal
тх\$	int \$	int Y
int Y X \$	int \$	terminal
Y X \$	\$	3
Х\$	\$	3
\$	\$	ACCEPT

