

3. 11)

$$\text{first} \stackrel{\text{def}}{=} \left\{ \begin{array}{l} \text{first}(S) = \{ C, V \} \\ \text{first}(E) = \{ +, * \} \\ \text{first}(T) = \{ C, V, \epsilon \} \end{array} \right.$$

$$\text{follow} \stackrel{\text{def}}{=} \left\{ \begin{array}{l} \text{follow}(S) = \{ \$,) , C, V \} \\ \text{follow}(E) = \{) \} \\ \text{follow}(T) = \{) \} \end{array} \right.$$

预测分析表:

	()	V	+	*	\$
S	$S \rightarrow E$		$S \rightarrow V$			
E				$E \rightarrow +SS$	$E \rightarrow *T$	
T	$T \rightarrow ST$	$T \rightarrow \epsilon$	$T \rightarrow ST$			

分析过程.

Stack	Input	Action	Stack	Input	Action
$\$ S$	$(+V)V\$$	$S \rightarrow (E)$	$\$ V$	$V\$$	$S \rightarrow V$
$\$ E)$	$+V)V\$$	$E \rightarrow +SS$	$\$)\$$	$)\$$	
$\$ SS +$	$+V)V\$$		$\$$	$\$$	
$\$ SS$	$(V)V\$$				Accept
$\$ SE)$	$(V)V\$$	$S \rightarrow (E)$			
$\$ E))$	$V)V\$$				
$\$ V))$	$V)V\$$	$S \rightarrow V$.			
$\$))$	$V)V\$$				
$\$ S)$	$V)V\$$				