



















5







































NA	Eliminatin	g Symmetric Recursive Rules
0.005°	$egin{array}{c} S^{\star}  ightarrow arepsilon \ S^{\star}  ightarrow S \ S  ightarrow SS \end{array}$	
	$S \rightarrow (S)$ $S \rightarrow ()$	
	Replace $S \rightarrow$	SS with one of:
	$S \to SS_1 \\ S \to S_1S$	/* force branching to the left /* force branching to the right
	So we get:	
	$egin{array}{c} S^{\star}  ightarrow arepsilon \ S^{\star}  ightarrow S \end{array}$	$\begin{array}{l} S \rightarrow SS_1 \\ S \rightarrow S_1 \\ S_1 \rightarrow (S) \\ S_1 \rightarrow () \end{array}$









金藤	Ambiguous Attachment		
100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	The dangling else problem:		
SX .	<stmt> ::= if <cond> then <stmt> <stmt> ::= if <cond> then <stmt> else <stmt></stmt></stmt></cond></stmt></stmt></cond></stmt>		
	Consider:		
	$\texttt{if cond}_1 \texttt{then } \underline{\texttt{if cond}_2 \texttt{then } st_1 \texttt{else } st_2}$		







