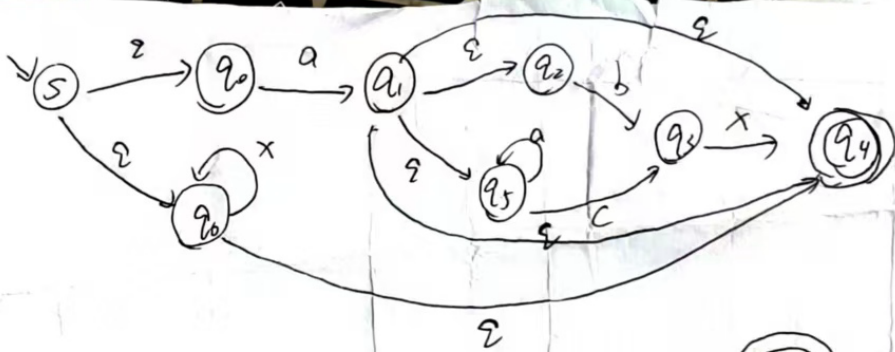


Lab2 Report

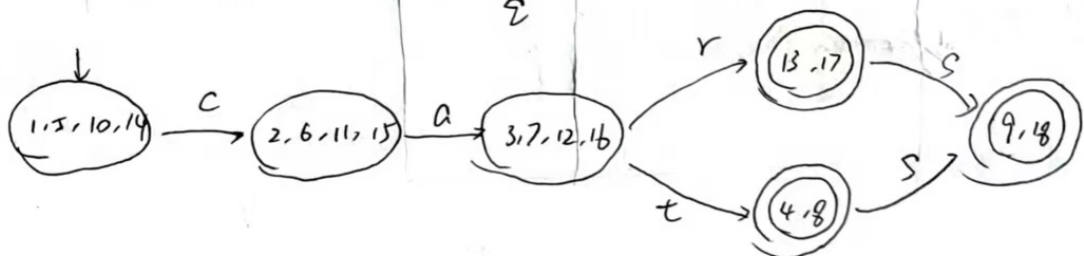
22300240022 王镜凯

书面作业解答

2.4 b.



2.5 C.



3.3 (b) Nonterminal = $\{A, B, S\}$, Terminal = $\{a, b\}$ start = $\{S\}$

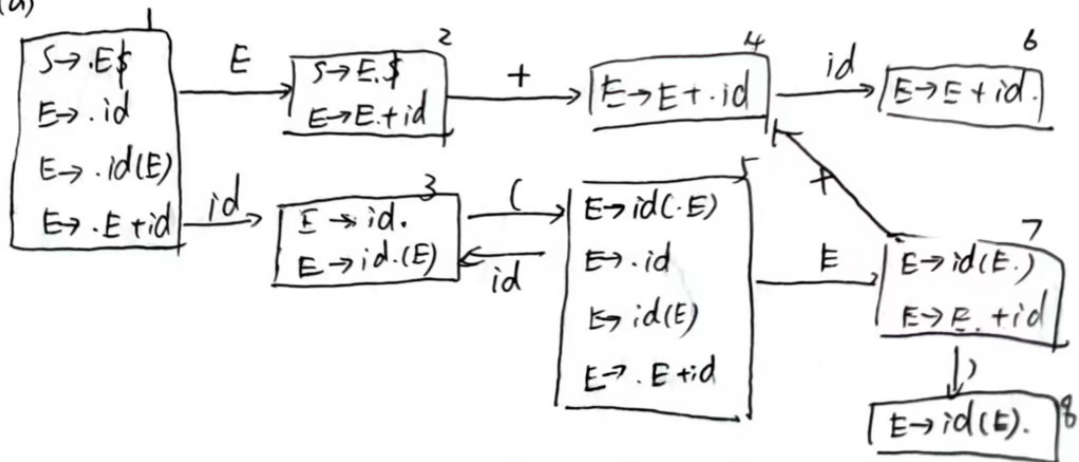
$S' \rightarrow S\$$ $S \rightarrow A\$$ $A \rightarrow aA$ $B \rightarrow aBb$
 $A \rightarrow a$ $B \rightarrow$

4) Nonterminal: $\{S, P, B, I\}$ Terminal: $\{'(', ')', '[', '']\}$, start: $\{S\}$

$S' \rightarrow S\$$ $S \rightarrow$ $P \rightarrow (S)$ $I \rightarrow$
 $S \rightarrow PS$ $B \rightarrow [I]$ $I \rightarrow P]$
 $S \rightarrow BS$

3.4 $S \rightarrow id := ES'$ $E \rightarrow (S, E)$ $E' \rightarrow \epsilon$ $L \rightarrow EL'$
 $S \rightarrow print(L)S'$ $E \rightarrow idE'$ $E' \rightarrow +E$ $L' \rightarrow \epsilon$
 $S' \rightarrow \epsilon$ $E \rightarrow nameE'$ $L' \rightarrow ,EL'$
 $S' \rightarrow iS$

3.12 (a)



1b)

	()	id	+	\$	S	E
1			S ₃				g ₂
2				S ₄	a		
3	S ₅ , r ₁	r ₁	r ₁	r ₁	r ₁		
4			S ₆				
5			S ₃				g ₇
6	r ₃	r ₃	r ₃	r ₃	r ₃		
7		S ₇		S ₄			
8	r ₂	r ₂	r ₂	r ₂	r ₂		

不是 LR(0)
存在移进-归约冲突

id₃

程序作业请见压缩包