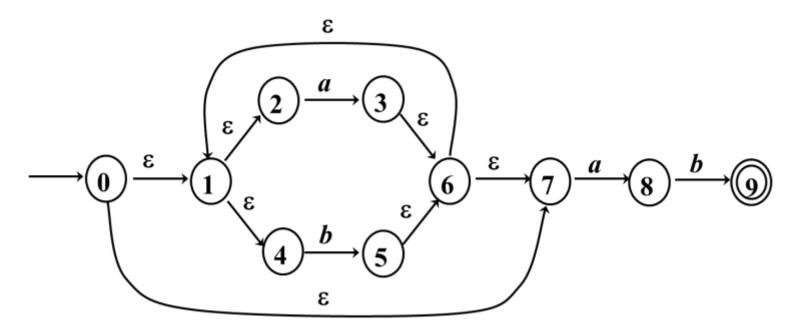
编译原理·Quiz1

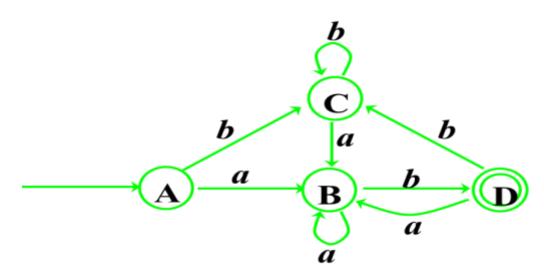
1. Given a legal string of tokens for a CFG, there must be a unique parsing tree to derivate the string.

判断题 (4.0 分) (难易度:中)
A. True
B. False
正确答案 : B
答案解释 : 暂无
2. Left requiring CFC correct healt (1)
2. Left-recursive CFG cannot be LL(1). 判断题 (4.0 分) (难易度:中)
A. True
B. Fase
正确答案 : A
答案解释 : 暂无
3. The language L={ $a^nb^n n>1$ } can't be generated by any CFG.
判断题 (4.0 分) (难易度:中)
A. True
B. False
正确答案: B
答案解释 : 暂无
4. There is only one parse tree for a string of an unambiguous grammar. 判断题 (4.0 分) (难易度:中)
A. True
B. False
E. False 正确答案: A
- 佐州合来 ・A
5. Both DFA and NFA can recognize regular set.
判断题 (4.0 分) (难易度:中)
A. True
B. False
正确答案 : A
答案解释 : 暂无
6. Which of the following string can be defined by theregular expression (a b)*ab*c(a b c)* 单选题 (5.0 分) (难易度:中)
A. ccbbaa R. ccaabb
B. ccaabb
C. ccbbaa
D. aabbcc
正确答案 : D

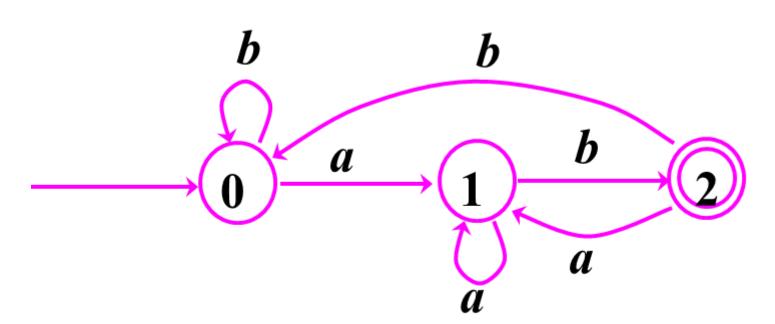
(2)Then, convert the above NFA into a DFA using the subset construction. (15 cents) (3) Minimize the DFA. (5 cents) 简答题 (35.0 分)(难易度:中)	
11. (1) Convert the regular expression (a b)*ab into an NFA using the rules in section 2.4; (15 cents)	
正确答案: C 答案解释: 暂无	
D. Left factoring	
C. Left recursion	
B. Indirect recursion	
A. Right recursion	
10is commonly used to make operations left associative. 单选题 (5.0 分) (难易度:中)	
答案解释 : 暂无	
正确答案: B	
D. Quadtree	
C. Binary tree	
B. Parse tree	
A. Syntax tree	
9reflects the derivation steps of a string. 单选题 (5.0 分) (难易度:中)	
答案解释 : 暂无	
正确答案 : B	
D. intermediate code	
C. target code	
B. syntax tree	
A. token	
8. The output of the parser is 单选题 (5.0 分) (难易度:中)	
答案解释 : 暂无	
正确答案: D	
D. Reduce	
C. Accept	
B. Generate	
A. Match	
单选题 (5.0 分) (难易度:中)	
7. Which action is notin a LL(1) parsing table?	



(2)



(3)



12. (1) Can the following string set be described by a regular expression? (5 Points)

L(G) ={
$$a^{2n+1}ba^{2n+1} | n = 0,1,2,...$$
 }

(2) Does there exist any CFG generating the above string set? If yes, write it down. **(15 Points)** 简答题 (20.0 分) (难易度:中)

答案解释:

(1) No.