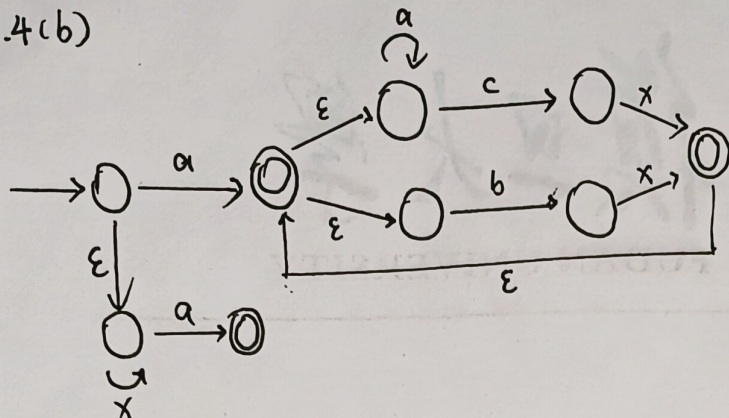
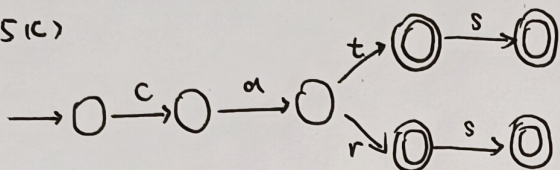


2.4(b)



2.5(c)



3.3(b)

$S \rightarrow A \alpha U$   
 $U \rightarrow \alpha U b$   
 $U \rightarrow \epsilon$   
 $A \rightarrow \alpha A$   
 $A \rightarrow \epsilon$

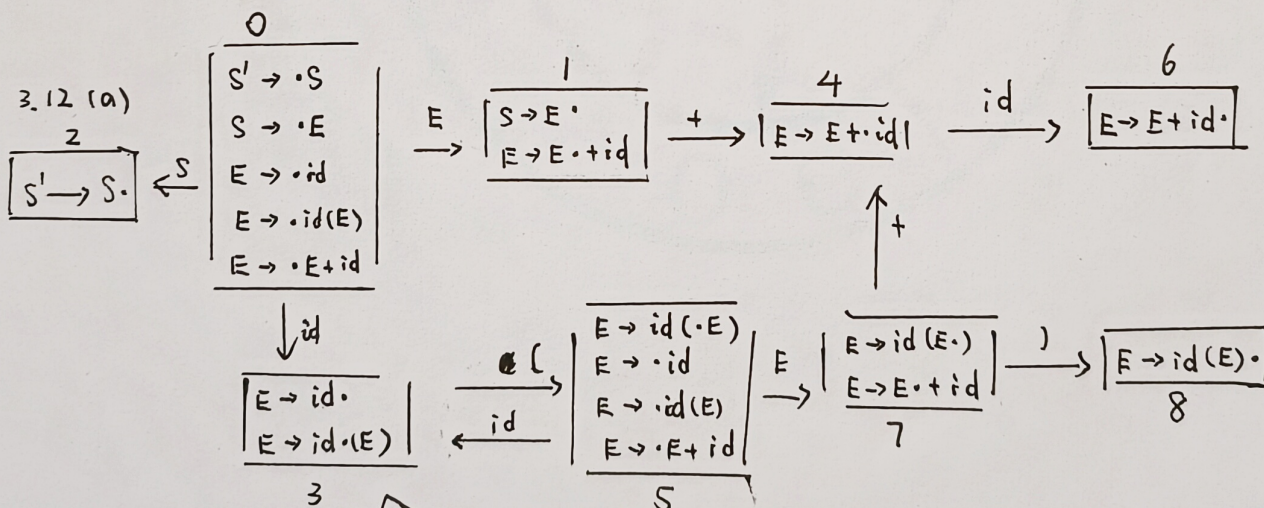
3.3(d)

$S \rightarrow TS$   
 $S \rightarrow \epsilon$   
 $T \rightarrow '[U]'$   
 $T \rightarrow '(S)'$   
 $U \rightarrow TU$   
 $U \rightarrow '[U$   
 $U \rightarrow \epsilon$

3.4

$S \rightarrow S'; S$   
 $S' \rightarrow id := E$   
 $S' \rightarrow print(L)$   
 $E \rightarrow E' + E$   
 $E' \rightarrow id$   
 $E' \rightarrow num$   
 $E' \rightarrow (S, E)$   
 $L \rightarrow EL'$   
 $L \rightarrow , EL'$   
 $L' \rightarrow \epsilon$

3.12(a)



(b) 不是 LR(0) 文法

因为状态3中出现了移进-归约冲突，

无法确定是直接归约 'E -> id.' 还是移进 'E -> id.(E)'