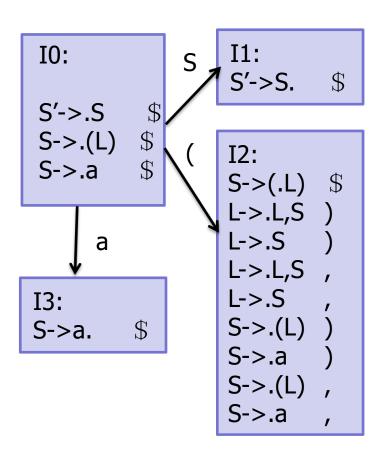
习题7.5

- ▶对于下列各 (增广) 文法, 构造
 - ① 规范LR项集族
 - ② LALR项集族
 - \succ (4) S \rightarrow (L) | a 以及 L \rightarrow L, S | S

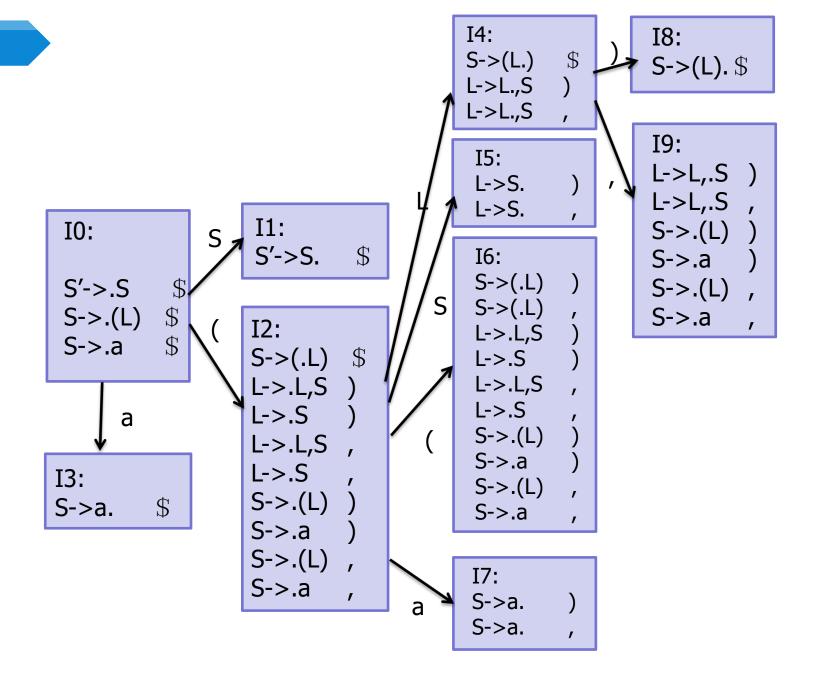
构造初始状态I0

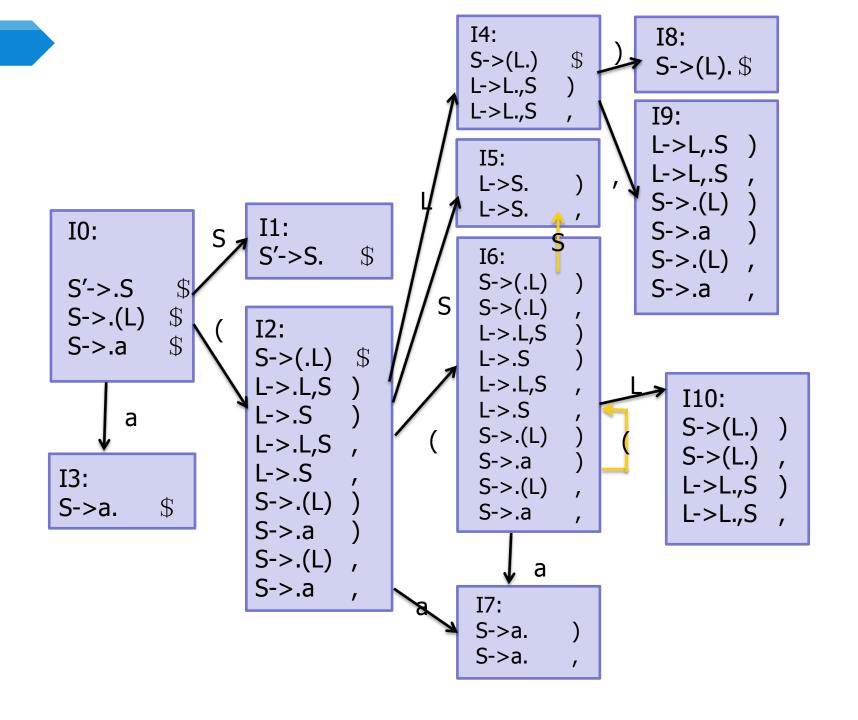
I0:

构造I0相对于S的后继状态I1...

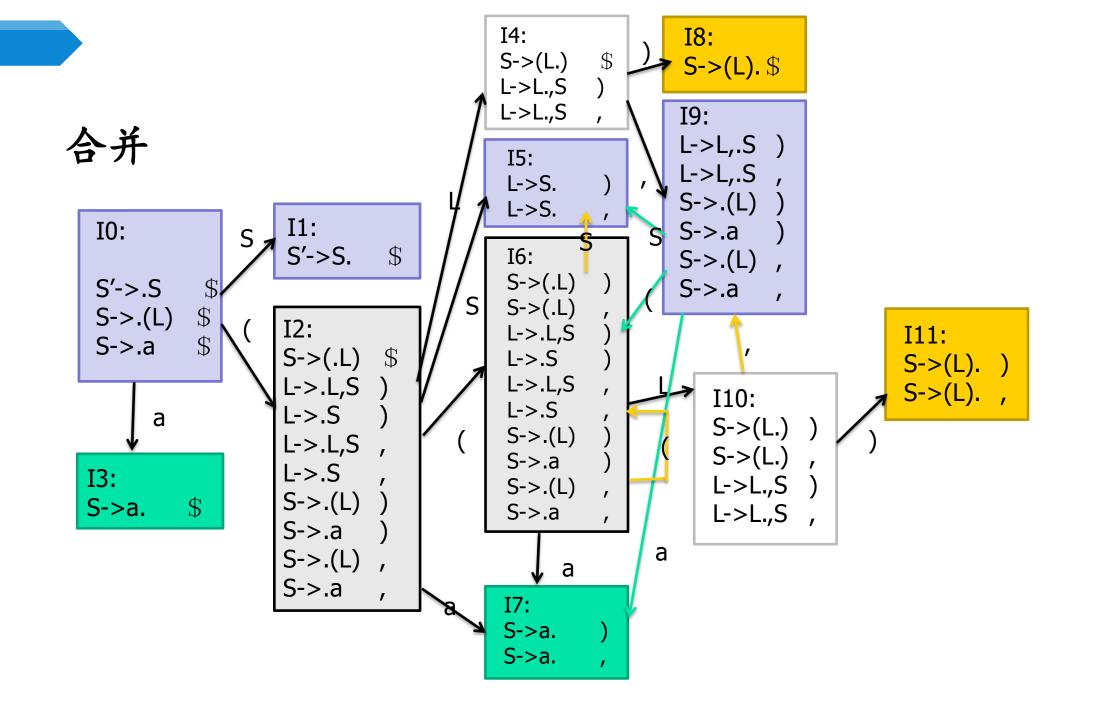


```
I4:
                                      S->(L.)
                                               $
                                      L->L.,S
                                      L->L.,S
                                      I5:
                                      L->S.
                                      L->S.
                  I1:
I0:
                  S'->S.
                           $
                                      I6:
                                      S->(.L)
S'->.S
                                      S->(.L)
S->.(L)
                  I2:
                                      L->.L,S
S->.a
          $
                  S->(.L) $
                                      L->.S
                                      L->.L,S
                  L->.L,S
                  L->.S
                                      L->.S
      a
                                      S->.(L)
                  L->.L,S ,
                                      S->.a
                  L->.S
I3:
                                      S->.(L)
                  S->.(L) )
         $
S->a.
                                      S->.a
                  S->.a
                  S->.(L) ,
                                      I7:
                  S->.a
                                      S->a.
                                      S->a.
```

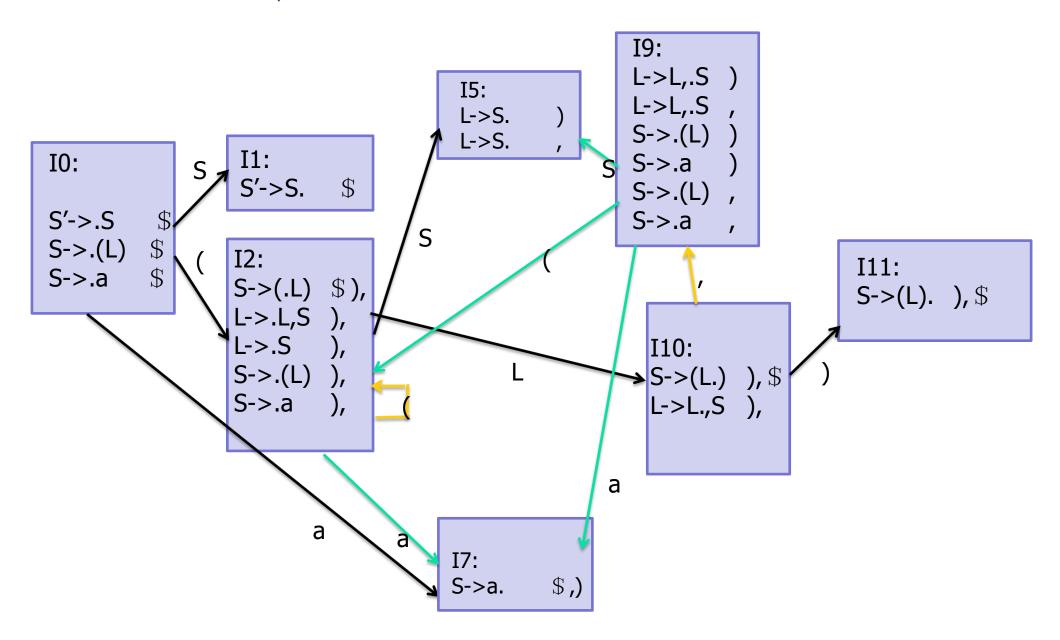




规范LR项集族 I4: I8: S->(L.) \$ S->(L). \$ L->L.,S L->L.,S I9: L->L,.S) I5: L->L,.S L->S. S->.(L)) L->S. I1: I0: S->.a S'->S. \$ I6: S->.(L) , S->(.L) S'->.S S->.a S->(.L) S->.(L) I2: L->.L,S I11: \$ S->.a S->(.L) \$ L->.S S->(L).) L->.L,S L->.L,S S->(L). , I10: L->.S L->.S a S->(L.)) S->.(L) L->.L,S S->(L.) S->.a L->.S I3: L->L.,S) S->.(L) S->.(L)) S->a. L->L.,S , S->.a S->.a a S->.(L) , a S->.a I7: S->a. S->a.



LALR项集族



LALR项集族

