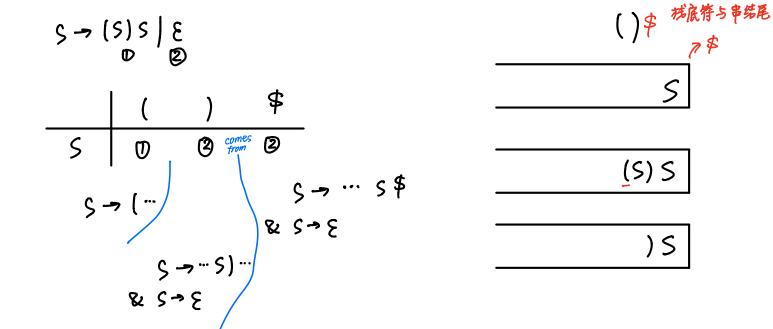


34.3 solving dangling else

$$S \rightarrow M \mid U$$
 $M \rightarrow i(E) MeM \mid \sigma$
 $U \rightarrow i(E) S \mid i(E) MeU$

only rule to
gen sole i

$$i(0) i(1) \theta \in \theta$$
 $S \rightarrow U \rightarrow i(E) S \rightarrow i(E) M$
 $\rightarrow i(E) i(E) M \in M \rightarrow i(0) i(1) \theta \in \theta$
 $i(0) i(1) \theta \in i(0) i(1) \theta$
 $S \rightarrow U \rightarrow i(E) S \rightarrow i(E) U$
 $\rightarrow i(E) i(E) M \in U \rightarrow i(E) i(E) M \in i(E) S$
 $\rightarrow i(E) i(E) M \in i(E) U$
 $\rightarrow i(E) i(E) M \in i(E) i(E) S$
 $\rightarrow i(E) i(E) M \in i(E) i(E) M$



```
i(0) i(1) o e o
                 I $
             i(E)SL$
i(0) i(1) o e o Junmatched
              0)5L$
i(0) i(1) o e o
                SL$
           i(E)SLL$
i(0) i(1) o e o
              SLL$
i(0) i(1) oe o
              esl$ (gen cur book-ahead
```

$$A \rightarrow A \times | \beta$$

regex
$$\beta \times *$$

make it

right-assoc

$$A \rightarrow A \propto_1 |A \propto_2 | \beta_1 | \beta_2$$

$$regex \qquad (\beta_1 | \beta_2) (\propto_1 | \propto_2)^*$$

G

$$A \rightarrow Aa \mid Ba \mid c$$
 问题 $\begin{cases} left-assoc \\ A \Rightarrow^* Aba \end{cases}$ def 序: AB , i.e. 不允许形如 $B \rightarrow A\%$, $B \rightarrow B\%$ elim $A \rightarrow Aa \mid w \mid A \rightarrow Ba \mid c$.

 $A \rightarrow (Ba \mid c) A'$

$$A \rightarrow (Ba \mid c) A'$$

 $A' \rightarrow aA' \mid \epsilon$

elim
$$B \rightarrow Bb \mid BaA'b \quad w \mid B \rightarrow d \mid cA'b$$
:
 $B \rightarrow (d \mid cA'b)B'$
 $B' \rightarrow (b \mid aA'b)B' \mid \epsilon$