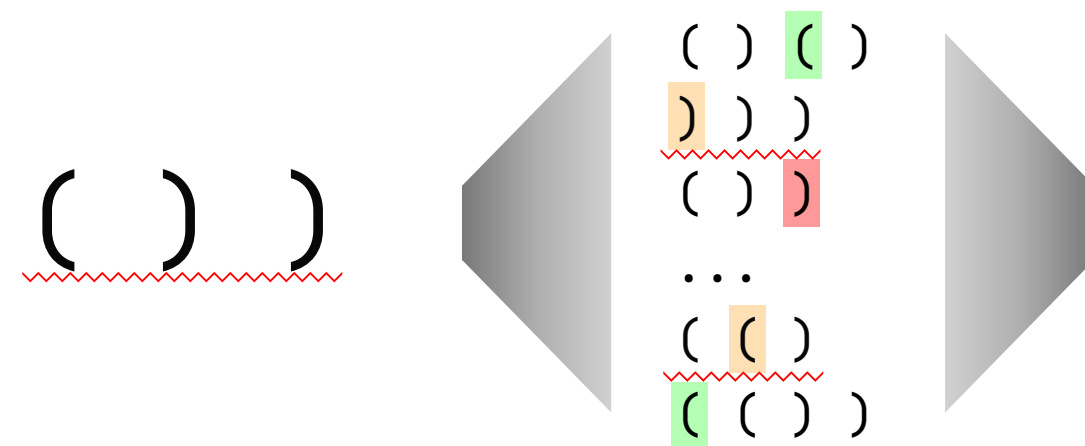


Syntax

$$S \rightarrow () \mid (S) \mid S S$$

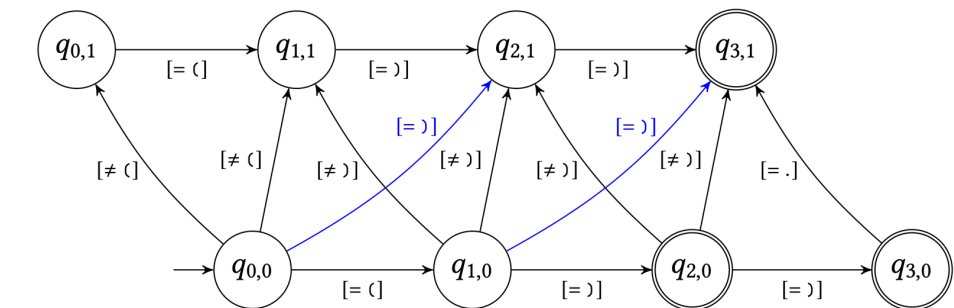
Code edits



CNF grammar

$$\begin{aligned} S &\rightarrow L R & F &\rightarrow S R \\ S &\rightarrow L F & S &\rightarrow S S \\ L &\rightarrow (& R &\rightarrow) \end{aligned}$$

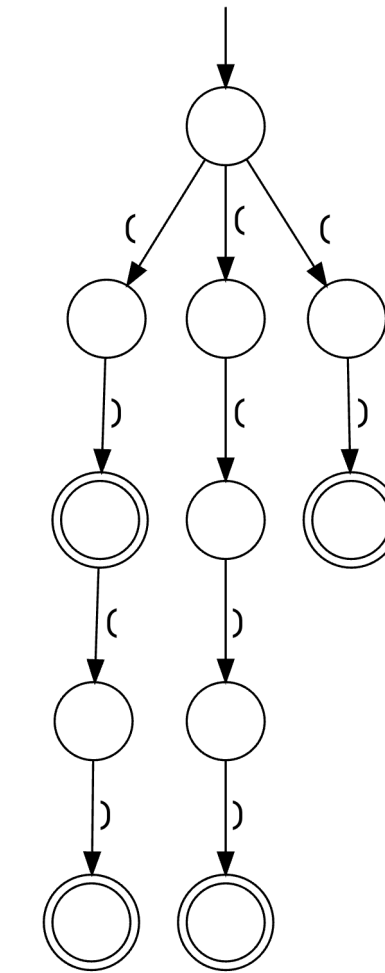
Edit automaton



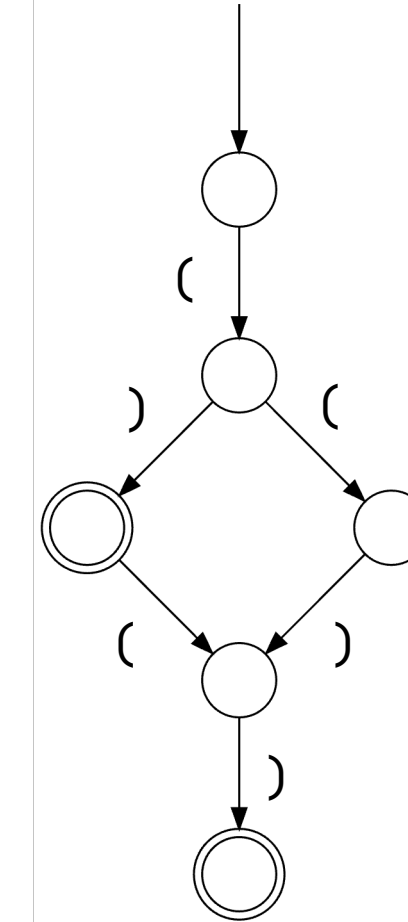
CNF n-grammar

$$\begin{aligned} S &\rightarrow q_{00}Lq_{10} \ q_{10}Rq_{31} \\ S &\rightarrow q_{00}Lq_{21} \ q_{21}Rq_{31} \\ S &\rightarrow q_{00}Lq_{01} \ q_{01}Fq_{31} \\ S &\rightarrow q_{00}Lq_{10} \ q_{10}Fq_{31} \\ S &\rightarrow q_{00}Lq_{10} \ q_{10}Rq_{20} \\ S &\rightarrow q_{00}Sq_{20} \ q_{20}Sq_{31} \\ q_{20}Sq_{31} &\rightarrow q_{20}Lq_{21} \ q_{21}Rq_{31} \\ q_{20}Sq_{31} &\rightarrow q_{20}Lq_{30} \ q_{30}Rq_{31} \\ q_{00}Sq_{20} &\rightarrow q_{00}Lq_{10} \ q_{10}Rq_{20} \\ q_{01}Fq_{31} &\rightarrow q_{01}Sq_{21} \ q_{21}Rq_{31} \\ q_{01}Sq_{21} &\rightarrow q_{01}Lq_{11} \ q_{11}Rq_{21} \\ q_{10}Fq_{31} &\rightarrow q_{10}Sq_{21} \ q_{21}Rq_{31} \\ q_{10}Sq_{21} &\rightarrow q_{10}Lq_{11} \ q_{11}Rq_{21} \\ q_{00}Sq_{31} &\rightarrow q_{00}Lq_{10} \ q_{10}Rq_{31} \\ q_{00}Sq_{31} &\rightarrow q_{00}Lq_{21} \ q_{21}Rq_{31} \\ q_{10}Rq_{31} &\rightarrow) \\ q_{11}Rq_{21} &\rightarrow) \\ q_{20}Lq_{21} &\rightarrow (\\ q_{20}Lq_{30} &\rightarrow (\\ q_{21}Rq_{31} &\rightarrow) \\ q_{30}Rq_{31} &\rightarrow) \\ q_{10}Rq_{31} &\rightarrow) \\ q_{11}Rq_{21} &\rightarrow) \\ q_{20}Lq_{21} &\rightarrow (\\ q_{20}Lq_{30} &\rightarrow (\\ q_{21}Rq_{31} &\rightarrow) \\ q_{30}Rq_{31} &\rightarrow) \end{aligned}$$

NFA



DFA*



Decoded repairs

1. ()
2. () ()
3. (())