Syntax CNF Grammar <u>DFA</u>* **DFA** ∩-Grammar $S \rightarrow L R \quad F \rightarrow S R$ Decoded Repairs $\begin{array}{c} S \longrightarrow q_{00}Lq_{10} \; q_{10}Rq_{31} \\ S \longrightarrow q_{00}Lq_{21} \; q_{21}Rq_{31} \\ S \longrightarrow q_{00}Lq_{01} \; q_{01}Fq_{31} \\ S \longrightarrow q_{00}Lq_{10} \; q_{10}Fq_{31} \\ S \longrightarrow q_{00}Lq_{10} \; q_{10}Rq_{20} \\ S \longrightarrow q_{00}Sq_{20} \; q_{20}Sq_{31} \end{array}$ $S \rightarrow L F \quad L \rightarrow ($ $q_{10}Bq_{31} \rightarrow 0$ $q_{11}Bq_{21} \rightarrow 0$ $q_{20}Aq_{21} \rightarrow 0$ $q_{20}Aq_{30} \rightarrow 0$ $q_{21}Bq_{31} \rightarrow 0$ $q_{30}Bq_{31} \rightarrow 0$ $S \rightarrow S S R \rightarrow)$ $q_{20}Sq_{31} \rightarrow q_{20}Lq_{21} q_{21}Rq_{31}$ $q_{10}Bq_{31} \rightarrow q_{11}Bq_{21} \rightarrow q_{11}Bq_{21$ $q_{20}Sq_{31} \rightarrow q_{20}Lq_{30} q_{30}Rq_{31}$ Code Edit automaton $q_{00}Sq_{20} \rightarrow q_{00}Lq_{10} \ q_{10}Rq_{20}$ $q_{20}Aq_{21} \rightarrow q_{20}Aq_{30} \rightarrow$ $q_{01}Fq_{31} \rightarrow q_{01}Sq_{21} \ q_{21}Rq_{31}$ $q_{21}Bq_{31} \rightarrow)$ $q_{30}Bq_{31} \rightarrow)$ $q_{10}Fq_{31} \rightarrow q_{10}Sq_{21} q_{21}Rq_{31}$ $q_{10}Sq_{21} \rightarrow q_{10}Lq_{11} q_{11}Rq_{21}$ $q_{00}Sq_{31} \rightarrow q_{00}Lq_{10} \ q_{10}Rq_{31}$ $q_{00}Sq_{31} \rightarrow q_{00}Lq_{21} q_{21}Rq_{31}$