

Table 1: Selection Sets for Given Grammar

| Production | First | Follow | Selection |
|--|--|--|--|
| $P \rightarrow \alpha_0 D_1 \alpha_{12} S_L \alpha_{13}$ | α_0 | $\$$ | α_0 |
| $D_1 \rightarrow I_L \alpha_{31} D$ | $\epsilon, \alpha_{-1}, \alpha_{31}$ | α_{12} | $\epsilon, \alpha_{-1}, \alpha_{31}$ |
| $D_1 \rightarrow \epsilon$ | | | |
| $D \rightarrow \alpha_1 \alpha_{14} \alpha_{-2} D_2 \alpha_{15} \alpha_{16} D_1$ | α_1, α_2 | α_{12} | α_1 |
| $D \rightarrow \alpha_2 \alpha_{16} D_1$ | α_2 | | α_2 |
| $D_2 \rightarrow \alpha_{17} \alpha_{-2} D_2$ | ϵ, α_{17} | α_{15} | α_{17} |
| $D_2 \rightarrow \epsilon$ | | α_{15} | |
| $I_L \rightarrow \alpha_{-1} I_{L_1}$ | α_{-1} | α_{19}, α_{31} | α_{-1} |
| $I_{L_1} \rightarrow \alpha_{17} I_L$ | $\alpha_{17} \epsilon$ | α_{19}, α_{31} | α_{17} |
| $I_{L_1} \rightarrow \epsilon$ | | | α_{19}, α_{31} |
| $S_u \rightarrow \alpha_{-1} S'_u$ | α_{-1}, α_{-2} | α_{15} | α_{-1} |
| $S_u \rightarrow \alpha_{-2} S''_u$ | | | α_{-2} |
| $S'_u \rightarrow \alpha_{17} S_u$ | α_{17} | | α_{17} |
| $S''_u \rightarrow \alpha_{17} S_u$ | α_{17} | | α_{17} |
| $S \rightarrow \alpha_{12} S_L \alpha_{13} S'$ | $\alpha_5, \alpha_6, \alpha_{12}, \alpha_{18}$ | α_{13} | α_{12} |
| $S \rightarrow \alpha_5$ | α_5 | α_{13} | α_5 |
| $S \rightarrow \alpha_6$ | α_6 | α_{13} | α_6 |
| $S \rightarrow \alpha_{18} I_L \alpha_{19} S''$ | α_{18} | | α_{18} |
| $S' \rightarrow \alpha_7 C$ | $\alpha_7, \alpha_8, \alpha_{-1}$ | α_{13} | α_7 |
| $S' \rightarrow \alpha_8 C$ | α_8 | α_{13} | α_8 |
| $S' \rightarrow \alpha_{-1} \alpha_9 \alpha_{14} E \alpha_{10} E \alpha_{15}$ | α_{-1} | α_{13} | α_{-1} |
| $S'' \rightarrow \alpha_{18} E_L \alpha_{19} \alpha_{20}$ | $\alpha_{18}, \alpha_3, \alpha_4$ | α_{13} | α_{18} |
| $S'' \rightarrow \alpha_3$ | α_3 | α_{13} | α_3 |
| $S'' \rightarrow \alpha_4$ | α_4 | α_{13} | α_4 |
| $T \rightarrow I_D$ | α_{-1}, α_{-2} | $\alpha_{10}, \alpha_{15}, \alpha_{17}, \alpha_{19}$ | α_{-1} |
| $T \rightarrow \alpha_{11}$ | α_{11} | $\alpha_{10}, \alpha_{15}, \alpha_{17}, \alpha_{19}$ | α_{11} |
| $T \rightarrow \alpha_{-2}$ | α_{-2} | $\alpha_{10}, \alpha_{15}, \alpha_{17}, \alpha_{19}$ | α_{-2} |
| $I_D \rightarrow \alpha_{-1} I'_D$ | α_{-1} | $\alpha_{10}, \alpha_{15}, \alpha_{17}, \alpha_{19}$ | α_{-1} |
| $I'_D \rightarrow [S_u]$ | $\alpha_{-1}, \alpha_{-2}, \epsilon$ | $\alpha_{10}, \alpha_{15}, \alpha_{17}, \alpha_{19}$ | $\alpha_{-1}, \alpha_{-2}, \epsilon$ |
| $I'_D \rightarrow \epsilon$ | | $\alpha_{10}, \alpha_{15}, \alpha_{17}, \alpha_{19}$ | $\alpha_{10}, \alpha_{15}, \alpha_{17}, \alpha_{19}$ |