Primary Semantic Actions

$$P \rightarrow program \ D_1\{S_L\}$$

$$S \rightarrow \{S_L\}S'|rdln|wrln|(I_L)S''$$

$$S' \rightarrow when \ C|until \ C|i_d \ from \ [E\alpha_{10}E]$$

$$S'' \rightarrow (E_L) := |read|write$$

$$E \rightarrow (E_L)(E_L)E'|T$$

$$E' \rightarrow + \quad | - \quad | * \quad |/ \quad |mod$$

$$E_L \rightarrow EE'_L|\epsilon$$

$$E'_L \rightarrow, E_L$$

$$C \rightarrow (E_L)(E_L)C''|\epsilon$$

$$C' \rightarrow CC'''|not \ C'$$

$$C'' \rightarrow < C'| >_{22} C'| = C'| <= C'| >= C'| <> C'$$

$$C''' \rightarrow and \ C'|or \ C'$$

$$S_L \rightarrow SS'_L$$

$$S'_L \rightarrow; |\epsilon$$