






# Production

$$P \rightarrow \text{prog}(I_L)D_1\{S\} \rightarrow (I_L)$$

$$\begin{array}{l} D_1 \rightarrow I_L \vdots D \\ \rightarrow \epsilon \end{array}$$


$$\begin{array}{l} D \rightarrow \text{array} [ \text{cons} D_2 ] \vdots D_1 \\ \rightarrow \text{integer} \vdots D_1 \end{array}$$



$$\begin{array}{l} D_2 \rightarrow, \text{cons} D_2 \\ \rightarrow \epsilon \end{array}$$


$$I_L \rightarrow I_D I_{L_1}$$


$$I_{L_1} \rightarrow, I_L | \epsilon$$

$$I_D \rightarrow \text{id} I'_D$$

$$I'_D \rightarrow [ \text{Sublist} ]$$

$$\rightarrow \text{epsilon}$$