

# Production

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

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$$D_1 \rightarrow I_L; D$$

$\rightarrow \epsilon$   $\nearrow$   $\circlearrowleft \beta$   $\nearrow$   $\circlearrowleft \kappa$

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$$D \rightarrow \text{array} [ \text{cons} D_2 ] ; D_1$$

$\nearrow$   $\circlearrowleft \gamma$   $\nearrow$   $\circlearrowleft \delta$

$$\rightarrow \text{integer} ; D_1$$

$\nearrow$   $\circlearrowleft \eta$

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$$D_2 \rightarrow, \text{cons} D_2$$

$\nearrow$   $\circlearrowleft \iota$

$$\rightarrow \epsilon$$

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

$\nearrow$   $\circlearrowleft \alpha$

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

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$$I_D \rightarrow id I'_D$$

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

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$$\rightarrow \text{epsilon}$$