

FO(ASSIGNLISTP) : { ;, EOF, }, ELSE, AND }  
FO(EXPRLISTP) { ) }

$$\begin{aligned} \langle \text{assignlist} \rangle &::= [ \langle \text{expr} \rangle \text{ to } \langle \text{idlist} \rangle ] \langle \text{assignlist} \rangle \\ \langle \text{assignlist} \rangle &::= [ \langle \text{expr} \rangle \text{ to } \langle \text{idlist} \rangle ] \langle \text{assignlist} \rangle \mid \varepsilon \end{aligned}$$
$$\begin{aligned} \langle idlist \rangle &::= ID \langle idlistp \rangle \\ \langle idlistp \rangle &::= , ID \langle idlistp \rangle \mid \epsilon \end{aligned}$$
$$\langle bexpr \rangle ::= \text{RELOP } \langle expr \rangle \langle expr \rangle$$
$$\begin{array}{lcl} \langle expr \rangle & ::= & + ( \langle exprlist \rangle ) \mid - \langle expr \rangle \langle expr \rangle \\ & & \mid * ( \langle exprlist \rangle ) \mid / \langle expr \rangle \langle expr \rangle \\ & & \mid \text{NUM} \mid \text{ID} \end{array}$$
$$\begin{aligned} \langle exprlist \rangle &::= \langle expr \rangle \langle exprlistp \rangle \\ \langle exprlistp \rangle &::= , \langle expr \rangle \langle exprlistp \rangle \mid \varepsilon \end{aligned}$$
$$G(\text{STATLISTP} := \epsilon) = \{ \text{EOF}, \} \}$$
$$\langle S \rangle_v = \sum_{\xi} D := \langle \mathcal{C}_{\lambda p v} \rangle ;$$
$$\zeta(\langle STAT \rangle :: ASSIGN \langle ASSIGN LIST \rangle) = \{ ASSIGN \}$$

<D> ::= ELSE <STAT>  
L<sub>ε</sub>

$$\zeta(\langle \text{STAT} \rangle :: \text{PRINT}(\langle \text{EXPRLIST} \rangle)) = \{ \text{PRINT} \}$$
$$\zeta(\langle \text{STAT} \rangle :: \text{READ}(\langle \text{IDLIST} \rangle)) = \{ \text{READY} \}$$
$$G(LSTAT) ::= \text{FOR } \langle BEXPR \rangle \text{ DO } \langle STAT \rangle : \{ \text{FOR} \}$$
$$4(\langle \text{STAT} \rangle ::= \text{IF}(\langle \text{BEXP} \rangle \langle \text{STAT} \rangle \text{ END}) : \{ \text{IF} \}$$
$$\zeta(\langle \text{STAT} \rangle :: \zeta(\langle \text{STATLIST} \rangle)) = \{ \{ \} \}$$
$$G(\langle \text{ASSIGNLIST} \rangle ::= [ \langle \text{EXPR} \rangle \text{ to } \langle \text{IDLIST} \rangle ] \langle \text{ASSIGNLIST} \rangle) = \{ \epsilon \}$$
$$G(\langle \text{ASSIGNLISTP} \rangle ::= [\langle \text{EXPR} \rangle \text{ to } \langle \text{IDLIST} \rangle] \langle \text{ASSIGNLISTP} \rangle) =$$