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## First

$\text{First}(P') = \{\text{First}(P)\} = \{\text{inicio}\}$

$\text{First}(P) = \{\text{inicio}\}$

$\text{First}(V) = \{\text{varinicio}\}$

$\text{First}(LV) = \{\text{varfim}, \text{First}(D)\} = \{\text{varfim}, \text{inteiro}, \text{real}, \text{literal}\}$

$\text{First}(D) = \{\text{First}(TIPO)\} = \{\text{inteiro}, \text{real}, \text{literal}\}$

$\text{First}(L) = \{\text{id}\}$

$\text{First}(TIPO) = \{\text{inteiro}, \text{real}, \text{literal}\}$

$\text{First}(A) = \{\text{fim}, \text{First}(ES), \text{First}(CMD), \text{First}(COND), \text{First}(R)\} = \{\text{fim}, \text{leia}, \text{escreva}, \text{id}, \text{se},$

$\text{First}(ES) = \{\text{leia}, \text{escreva}\}$

$\text{First}(ARG) = \{\text{lit}, \text{num}, \text{id}\}$

$\text{First}(CP\_R) = \{\text{fimrepet}, \text{First}(ES), \text{First}(CMD), \text{First}(COND)\} = \{\text{fimrepet}, \text{leia}, \text{escreva}, \text{id}, \text{se},$

$\text{First}(CMD) = \{\text{id}\}$

$\text{First}(LD) = \{\text{First}(OPRD)\} = \{\text{id}, \text{num}\}$

$\text{First}(OPRD) = \{\text{id}, \text{num}\}$

$\text{First}(COND) = \{\text{First}(CAB)\} = \{\text{se}\}$

$\text{First}(CAB) = \{\text{se}\}$

$\text{First}(EXP\_R) = \{\text{First}(OPRD)\} = \{\text{id}, \text{num}\}$

$\text{First}(CP) = \{\text{First}(ES), \text{First}(CMD), \text{First}(COND), \text{fimse}\} = \{\text{leia}, \text{escreva}, \text{id}, \text{se}, \text{fimse}\}$

$\text{First}(R) = \{\text{repet}\}$

$\text{First}(VIR) = \{\text{virgula}\}$



Follow

$$\text{Follow}(P') = \{\$ \}$$

$$\text{Follow}(P) =$$

$$\text{Follow}(P) = \{\text{Follow}(P')\} = \{\$ \}$$

$$\text{Follow}(LV) =$$

$$\text{Follow}(V) = \{\text{First}(A)\} = \{ \text{pm}, \text{lea}, \text{scrrw}, \text{id}, \text{se}, \text{repita} \}$$

$$\text{Follow}(LV) = \{\text{Follow}(V), \$\} = \{ \text{pm}, \text{lea}, \text{scrrw}, \text{id}, \text{se}, \text{repita}, \$ \}$$

$$\text{Follow}(A) =$$

$$\text{Follow}(D) = \{\text{First}(LV)\} = \{ \text{vopm}, \text{ntens}, \text{real}, \text{literal} \}$$

$$\text{Follow}(AR) =$$

$$\text{Follow}(L) = \{ ; \}$$

$$\text{Follow}(CMD) =$$

$$\text{Follow}(TIPO) = \{\text{First}(L)\} = \{ \text{id} \}$$

$$\text{Follow}(OPRD) =$$

$$\text{Follow}(A) = \{\text{Follow}(P)\} = \{\$ \}$$

$$\text{Follow}(CP) =$$

$$\text{Follow}(ES) = \{\text{First}(A), \text{First}(CP\_R), \text{First}(CP)\} = \{ \text{pm}, \text{lea}, \text{scrrw}, \text{id}, \text{se}, \text{repita}, \text{prinrepita}, \text{prinse} \}$$

$$\text{Follow}(ARG) = \{ ; \}$$

$$\text{Follow}(VIR) =$$

$$\text{Follow}(CP\_R) = \{ \$, \text{follow}(R) \} = \{ \$, \text{pm}, \text{lea}, \text{scrrw}, \text{id}, \text{se}, \text{repita} \}$$

$$\text{Follow}(CMD) = \{\text{First}(A), \text{First}(CP), \text{First}(CP\_R)\} = \{ \text{pm}, \text{lea}, \text{scrrw}, \text{id}, \text{se}, \text{repita}, \text{prinrepita}, \text{prinse} \}$$

$$\text{Follow}(LD) = \{ ; \}$$

$$\begin{aligned} \text{Follow}(OPRD) &= \{ \text{opm}, \$, \text{opr}, \text{Follow}(LD), \text{Follow}(EXR\_R) \} \\ &= \{ \text{opm}, \text{opr}, ;, \} \end{aligned}$$



$$\text{Follow}(\text{COND}) = \{\text{First}(A), \text{First}(\text{CP}), \text{First}(\text{CP\_R})\} = \{pm, leia, escreva, id, se, \\ repita, \text{fimrepita}, \text{fimse}\}$$

$$\text{Follow}(\text{CAB}) = \{\text{First}(\text{CP})\} = \{leia, escreva, id, se, \text{fimse}\}$$

$$\text{Follow}(\text{EXP\_R}) = \{\})\}$$

$$\text{Follow}(\text{CP}) = \{\text{Follow}(\text{COND})\} = \{pm, leia, escreva, id, se, repita, \text{fimrepita}, \text{fimse}\}$$

$$\text{Follow}(\text{R}) = \{\text{First}(A)\} = \{pm, leia, escreva, id, se, repita\}$$

$$\text{Follow}(\text{VIR}) = \{\text{First}(L)\} = \{id\}$$