

Gramatica

$$\begin{aligned}
 E &\rightarrow E+T \mid E-T \mid T \\
 T &\rightarrow T*F \mid T/F \mid F \\
 F &\rightarrow \text{int} \mid (E) \mid -F
 \end{aligned}$$

Gramatica extendida y sin recursividad

$$\begin{aligned}
 S &\rightarrow E \\
 E &\rightarrow TE' \\
 E' &\rightarrow +TE' \mid -TE' \mid \varepsilon \\
 T &\rightarrow FT' \\
 T' &\rightarrow *FT' \mid /FT' \mid \varepsilon \\
 F &\rightarrow \text{int } F' \mid (E) \mid -F \\
 F' &\rightarrow \text{int } F' \mid \varepsilon
 \end{aligned}$$

First()

$$\begin{aligned}
 \text{First}(S) &= \text{First}(E) = \{\text{int}, (, -\} \\
 \text{First}(E) &= \text{First}(T) = \text{First}(F) = \{\text{int}, (, -\} \\
 \text{First}(E') &= \{+, -, \varepsilon\} \\
 \text{First}(T) &= \text{First}(F) = \{\text{int}, (, -\} \\
 \text{First}(T') &= \{*, /, \varepsilon\} \\
 \text{First}(F) &= \{\text{int}, (, -\} \\
 \text{First}(F') &= \{\text{int}, \varepsilon\}
 \end{aligned}$$

Estados

