

# Compiladores – Revisão P1

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<http://www.dcc.ufrj.br/~fabiom/comp>

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$$\begin{cases} S \rightarrow aS & \{a\} \\ S \rightarrow Aa & \{c, d, e, b\} \end{cases}$$

$$\begin{cases} Y \rightarrow \varepsilon & \{e\} \\ Z \rightarrow eS & \{e\} \end{cases}$$

$$\begin{cases} A \rightarrow XYZ & \{c, d, e, b\} \\ A \rightarrow \varepsilon & \{a\} \end{cases}$$

$$\begin{cases} X \rightarrow bS & \{b\} \\ X \rightarrow cS & \{c\} \\ X \rightarrow \varepsilon & \{d, e\} \\ Y \rightarrow dS & \{d\} \end{cases}$$

# Questão 11

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$$E \rightarrow E + T$$

$$E \rightarrow E - T$$

$$E \rightarrow T$$

$$T \rightarrow T * F$$

$$T \rightarrow \underline{F}$$

$$F \rightarrow ( E )$$

$$F \rightarrow \text{num}$$

$$a) E \rightarrow -( E )$$

$$E \rightarrow - \text{num}$$

$$E \rightarrow ( E )$$

$$E \rightarrow \text{num}$$

uv

$$\begin{aligned} E &\rightarrow -A \\ E &\rightarrow A \\ E &\rightarrow ( E ) \\ E &\rightarrow \text{num} \end{aligned}$$

$$c) E \rightarrow -E$$

$$\rightarrow E \rightarrow ( E )$$

$$E \rightarrow \text{num}$$

# Questão 11

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$$b) \quad E \rightarrow E + T'$$

$$E \rightarrow E - T'$$

$$E \rightarrow T$$

$$T \rightarrow T * F'$$

$$T \rightarrow T / F'$$

$$T \rightarrow F'$$

$$F' \rightarrow - \Delta$$

$$F' \rightarrow \Delta$$

$$\Delta \rightarrow ( E )$$

$$\Delta \rightarrow \text{num}$$

$$T' \rightarrow T' * F'$$

$$T' \rightarrow F'$$

$$F' \rightarrow \Delta$$

# Questão 6

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$$Q6 \rightarrow Q6 s;$$

$$Q6 \rightarrow s;$$

$$Q6 \rightarrow s; \{s; \}$$

$$Q6 \rightarrow s; Q6$$

$$Q6 \rightarrow s;$$

~~$$\begin{aligned} Q6 &\rightarrow s; Q6' \\ Q6' &\rightarrow Q6' Q6' \\ Q6' &\rightarrow s, \\ Q6' &\rightarrow \epsilon \end{aligned}$$~~