

Lista 1

1) São alfabetos:

- Letras do alfabeto brasileiro
- Algarismos arábicos
- Algarismos romanos
- $\Sigma = \{a, b, c, d\}$
- Vogais
- Letras gregas

2) $G = (V, T, P, S)$

$$V = \{E, F, T\}$$

$$T = \{ (,), x, +, * \}$$

$$S = \{E\}$$

$$P = \{ E \rightarrow T + E \mid T, \\ T \rightarrow F * T \mid F, \\ F \rightarrow (E) \mid x \}$$

3) $G = (V, T, P, S)$

$$V = \{S, A, B\}$$

$$T = \{a, b, c\}$$

$$S = \{S\}$$

$$P = \{ S \rightarrow AB, \\ A \rightarrow aAb \mid ab, \\ B \rightarrow cB \mid \epsilon \}$$

4) $G = (V, T, P, S)$

$$V = \{S, A, B\}$$

$$T = \{a, b, c\}$$

$$S = \{S\}$$

$$P = \{ S \rightarrow aS \mid aA, \\ A \rightarrow bA \mid bB, \\ B \rightarrow cB \mid c \}$$