

Proprietati ale limbajelor independente de context.

$$L_1 = \{a^n b^n \mid n \in \mathbb{N}\}$$

$$\underline{G_1}: \begin{array}{l} S_1 \rightarrow a S_1 b \\ S_1 \rightarrow \epsilon \end{array}$$

$$L_2 = \{c^n \mid n \in \mathbb{N}\}$$

$$\underline{G_2}: \begin{array}{l} S_2 \rightarrow c S_2 \\ S_2 \rightarrow \epsilon \end{array}$$

$$L_1 \cup L_2: \begin{array}{l} S \rightarrow S_1 \\ S \rightarrow S_2 \\ S_1 \rightarrow a S_1 b \\ S_1 \rightarrow \epsilon \\ S_2 \rightarrow c S_2 \\ S_2 \rightarrow \epsilon \end{array}$$

$$L_1 L_2: \begin{array}{l} S \rightarrow S_1 S_2 \\ \text{n.p. } \left\{ \begin{array}{l} \underline{G_1} \\ \underline{G_2} \end{array} \right. \left\{ \begin{array}{l} S_1 \rightarrow \dots \\ \end{array} \right. \end{array}$$