*bioinformatica*
247.249.719
*bps*
**Straight-Line Programs (*SLP*)**
*SLP*
**grammatica context-free**
**?**
**grammar-based compression**
$\Sigma$
$s = a_1, a_2, \ldots, a_n \in \Sigma^*$
$n$
$\Sigma$
$a_i \in \Sigma$
$\forall i 1 \leq i \leq n$
$alph(s) = \{a_1, a_2, \ldots a_n\}$
$s$
**SLP**
$\Sigma$
$\mathcal{A}$
$\mathcal{A} = (\mathcal{V}, \Sigma, \mathcal{S}, \mathcal{P})$
$\mathcal{V}$
$\Sigma$
$\mathcal{S} \in \mathcal{V}$
$\mathcal{P}$
$\mathcal{P} \subseteq \mathcal{V} \times (\mathcal{V} \cup \Sigma)^*$
*SLP*
$(A, \alpha) \in \mathcal{P}$
$\forall A \in \mathcal{V}$
$\alpha \in (\mathcal{V} \cup \Sigma)^*$
$(A, \alpha)$
$A \rightarrow \alpha$
$\{(A, B) \mid (A, \alpha) \in \mathcal{P},\ B \in alph(\alpha)\}$
$|\mathcal{A}| = \sum_{(A,\alpha) \in \mathcal{P}} |\alpha|$
$\mathcal{A}$
*SLP*
$eval(\mathcal{A})$
*SLP*
$\mathcal{A}$
**albero di derivazione**
*albero radicato e ordinato*
*radice*
$\mathcal{S}$
*nodo interno*
$\mathcal{V} \cup \Sigma$
**?**
$s = \$$
*SLP*
$\rightarrow \$$
$\rightarrow$
$\rightarrow$
$\rightarrow$
$\rightarrow$
$\rightarrow$