$$\begin{array}{cccc} \text{(Regexs)} \ r ::= & \mathbf{u} \in \Delta \\ & \mid \ s \in \Sigma^* \\ & \mid \ r^* \\ & \mid \ r_1 r_2 \\ & \mid \ r_1 \mid r_2 \end{array}$$

Figure 1: Regex Syntax

let Δ be the set of user defined data types. let Σ^* be the set of words over the alphabet Σ