



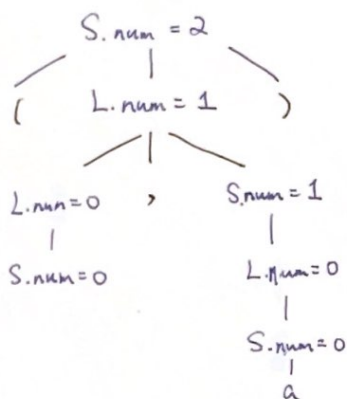
班级: 计01 姓名: 谷逸朗 编号: 2020010869 科目: 绪论 第 1 页

A1. x_1 2个, 分别包含 $\{a_0, b_0, a_2, fun_1, fun_3\}$ 和 $\{a_1, b_1, fun_2\}$

(y) 由 (1) 声明

A2. 第一个 $p: \{a, b, p\}, \{s, r\}, \{v\}$
第二个 $p: \{a, b, p, q\}, \{x, y\}$

A3.



A4. 14) 0246 -- 1- # (L) #
15) 01 - 2 # S #

A5.

- ① i
- ② i
- ③ $p2i := i$
- ④ $pS := p1s + p2s$
- ⑤ $p1i := i$
- ⑥ $pS := i + p1s$

A6. $D \Rightarrow D_1; T \{ L.type := T.type; L.offset := D.width;$
 $L.width := T.width; L \{ D.width := D_1.width +$
 $L.num \times T.width \}$

$D \Rightarrow A B T \{ L.type := T.type; L.offset := A.s;$
 $L.width := T.width; L \{ D.width := D_1.width +$
 $L.num \times T.width \}$

$T \Rightarrow \underline{\text{integer}} \{ T.type := \text{int}; T.width := 4 \}$

$T \Rightarrow \underline{\text{real}} \{ T.type := \text{real}; T.width := 8 \}$

$L \Rightarrow \{ L.type := L_1.type; L.offset := L_1.offset;$
 $L_1.width := L_1.width; L_1, \underline{\text{id}} \{ \text{enter}(\text{id.name}, L.type, L.offset + L_1.num \times L.width);$
 $L.num := L_1.num + 1 \}$

$L \Rightarrow \underline{\text{id}} \{ \text{enter}(\text{id.name}, L.type, L.offset); L.num := 1 \}$

$A \Rightarrow \epsilon \{ A.s := 0 \}$

$B \Rightarrow \epsilon$

A7. $S \Rightarrow p \{ \text{print}(\text{val}[top].s) \}$

$P \Rightarrow P_1, P_2 \wedge \{ \text{val}[top-2].s := f_1(\text{val}[top-2].s, \text{val}[top-1].s) \}$

$P \Rightarrow P_1, P_2 \vee \{ \text{val}[top-2].s := f_2(\text{val}[top-2].s, \text{val}[top-1].s) \}$

$P \Rightarrow P_1, T \{ \text{val}[top-1].s := f_3(\text{val}[top-1].s) \}$

$P \Rightarrow \underline{\text{id}} \{ \text{val}[top].s := g(\underline{\text{id}}) \}$

(b) 1