一. (1) personPtr → | 11 | structTy | → | name | | 0 | → | age | intPtr | 10 | ∧ |

| 10 | arrayTy | 0 | 9 | charPtr |

(2) ListPtr → | 10 | arrayTy | 0 | 9 | personPtr |

(3) unionPtr → | 4 | unionTy | → | data | intPtr | → | length | realPtr | → | name | | ∧ |

| 4 | arrayTy | 0 | 3 | charPtr |

二. StudentPtr → | 31 | StructTy | → | name | | 0 | → | age | intPtr | 30 | ∧ |

| 30 | arrayTy | 0 | 29 | charPtr |

1. 局部化符号表:

① scop栈 (开始)

Lee	StudentPtr	varKind	dir	0	0
i	intPtr	varKind	dir	0	31
GetAge	intPtr	routKind	actual	0	f1Ptr	?	?	false
S	StudentPtr	varKind	dir	1	0

② scope栈 (GetAge结束, SetAge开始)

Lee	StudentPtr	varKind	dir	0	0
i	intPtr	varKind	dir	0	31
GetAge	intPtr	routKind	actual	0	f1Ptr	?	?	false
SetAge	voidPtr	routKind	actual	0	f2Ptr	?	?	false
i	intPtr	varKind	dir	1	0

③ scop栈 (SetAge结束, main开始)

Lee	StudentPtr	varKind	dir	0	0
i	intPtr	varKind	dir	0	31
GetAge	intPtr	routKind	actual	0	f1Ptr	?	?	false
SetAge	VoidPtr	routKind	actual	0	f2Ptr	?	?	false
main	VoidPtr	routKind	actual	0	null	?	?	false
Lee	StudentPtr	varKind	dir	1	0
i	intPtr	varKind	dir	1	31

④ scope栈 (main结束) (空)

2. 全局化寄号表

1) 顺序表.

	0	Lee.	StudentPtr	varkind	dir	0	0			①
	0	i	intPtr	varkind	dir	0	31			②
	0	GetAge	intPtr	routkind	actual	0	f1Ptr	?	?	false ③
f1Ptr→	1	S	StudentPtr	varkind	dir	1	0			④
	0	SetAge	voidPtr	routkind	actual	0	f2Ptr	?	?	false ⑤
f2Ptr→	1	i	intPtr	varkind	dir	1	0			⑥
	0	main	voidPtr	routkind	actual	0	null	?	?	false. ⑦
	1	Lee	StudentPtr	varkind	dir	1	0			⑧
	2	i	intPtr	varkind	dir	1	31			⑨

GetAge 结束. 删④.
SetAge 结束. 删⑥
main 结束. 全删.

2) 驻留法.

1. (0, Lee, StudentPtr, varkind, dir, 0, 0)
2. (0, i, intPtr, varkind, dir, 0, 31)
3. (0, GetAge, intPtr, routkind, actual, 0, f1Ptr, ?, ?, false)
f1Ptr→ 4. (1, S, StudentPtr, varkind, dir, 1, 0)
5. (#, ...)
6. (0, SetAge, voidPtr, routkind, actual, 0, f2Ptr, ?, ?, false)
f2Ptr→ 7. (1, i, intPtr, varkind, dir, 1, 0)
8. (#, ...)
9. (0, main, voidPtr, routkind, actual, 0, null, ?, ?, false)
10. (1, Lee, StudentPtr, varkind, dir, 1, 0)
11. (2, i, intPtr, varkind, dir, 1, 31)
12. (#, ...)
13. (#, ...)
14. (#,..... NULL)